

Meeting Agenda

Regional Advisory Working Group

Tuesday, October 8, 2019 9:30 AM Yerba Buena - 1st Floor

This meeting is scheduled to be webcast live on the Metropolitan Transportation Commission's Website: http://mtc.ca.gov/whats-happening/meetings

This meeting can also be accessed via Zoom Meeting:

Launch Link: https://zoom.us/j/753969525

Dial-in Number: 720-707-2699 Meeting ID: 753 969 525

9:30 a.m.

1. <u>19-0965</u> Welcome, Introductions

<u>Presenter:</u> Matt Maloney

9:35 a.m.

2. <u>19-0967</u> Horizon: Futures Final Report

Presentation on findings from the second and final round of Futures Planning, including recommendations of Horizon strategies resilient to future uncertainty which should be advanced into Plan Bay Area 2050.

Action: Information

Presenter: Michael Germeraad

Attachments: 02i Horizon Futures Round 2- Futures Final Report.pdf

02ii HANDOUT FuturesItem RAWG Only Scorecard.pdf

10:20 a.m.

3. <u>19-0888</u> Transit Update: Rail Synthesis and Crossings

Highlights of the progress on regional rail over the past decade, including identification of potential next steps to improve the region's transit system and discussion of tradeoffs associated with a new Transbay Crossing.

Action: Information

<u>Presenter:</u> Adam Noelting and Anup Tapase

<u>Attachments:</u> 03 Regional Rail Planning Update.pdf

10:50 a.m.

4. <u>19-1023</u> Vital Signs: Economy Update

Summary of findings from recent updates to Vital Signs economy

indicators.

<u>Action:</u> Information
<u>Presenter:</u> Raleigh McCoy

Attachments: 04 Vital Signs Economy Update Oct 2019.pdf

11:10 a.m.

5. Next Steps / Other Business / Public Comments

11:15 a.m.

6. Adjournment / Next Meeting

A next meeting of the Regional Advisory Working Group will be Tuesday, November 5, 2019 at 9:30 a.m. at the Bay Area Metro Center, 375 Beale Street, San Francisco, CA.

Public Comment: The public is encouraged to comment on agenda items at Committee meetings by completing a request-to-speak card (available from staff) and passing it to the Committee secretary. Public comment may be limited by any of the procedures set forth in Section 3.09 of MTC's Procedures Manual (Resolution No. 1058, Revised) if, in the chair's judgment, it is necessary to maintain the orderly flow of business.

Meeting Conduct: If this meeting is willfully interrupted or disrupted by one or more persons rendering orderly conduct of the meeting unfeasible, the Chair may order the removal of individuals who are willfully disrupting the meeting. Such individuals may be arrested. If order cannot be restored by such removal, the members of the Committee may direct that the meeting room be cleared (except for representatives of the press or other news media not participating in the disturbance), and the session may continue.

Record of Meeting: Committee meetings are recorded. Copies of recordings are available at a nominal charge, or recordings may be listened to at MTC offices by appointment. Audiocasts are maintained on MTC's Web site (mtc.ca.gov) for public review for at least one year.

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Attachments are sent to Committee members, key staff and others as appropriate. Copies will be available at the meeting.

All items on the agenda are subject to action and/or change by the Committee. Actions recommended by staff are subject to change by the Committee.



Metropolitan Transportation Commission

Legislation Details (With Text)

File #: 19-0965 Version: 1 Name:

Type: Report Status: Informational

File created: 8/22/2019 In control: Regional Advisory Working Group

On agenda: 10/8/2019 Final action:

Title: Welcome, Introductions

Sponsors:

Indexes:

Code sections:

Attachments:

Date Ver. Action By Action Result

Subject:

Welcome, Introductions

Presenter:

Matt Maloney



Metropolitan Transportation Commission

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On agenda: 10/8/2019 Final action:

Title: Horizon: Futures Final Report

Presentation on findings from the second and final round of Futures Planning, including

recommendations of Horizon strategies resilient to future uncertainty which should be advanced into

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Horizon: Futures Final Report

Presentation on findings from the second and final round of Futures Planning, including

recommendations of Horizon strategies resilient to future uncertainty which

should be advanced into Plan Bay Area 2050.

Presenter:

Michael Germeraad

Recommended Action:

Information

Attachments:

Metropolitan Transportation Commission and the Association of Bay Area Governments Regional Advisory Working Group

October 8, 2019 Agenda Item 2

Horizon: Futures Final Report

Subject: Presentation on findings from the second and final round of Futures Planning,

including recommendations of Horizon strategies resilient to future uncertainty

which should be advanced into Plan Bay Area 2050.

Background: Regional Advisory Working Group Agenda Item 2, Horizon: Futures Final

Report, is attached. Staff will seek input on Horizon: Futures Final Report at the October 12, 2019 Joint MTC Planning Committee with the ABAG Administrative

Committee.

Staff will be at your October 8 meeting to discuss this report. The Working

Group's input is requested.

Attachments: Agenda Item 5a from the October 2019 Joint MTC Planning Committee with the

ABAG Administrative Committee

J:\COMMITTE\RAWG\2019\10 OCT 2019 RAWG\02i Horizon Futures Round 2- Futures Final Report Cover Summary Sheet.docx

Metropolitan Transportation Commission and the Association of Bay Area Governments Joint MTC Planning Committee with the ABAG Administrative Committee

October 11, 2019 Agenda Item 5a

Horizon: Futures Final Report

Subject:

Presentation on findings from the second and final round of Futures Planning, including recommendations of Horizon strategies resilient to future uncertainty which should be advanced into Plan Bay Area 2050.

Background:

In early 2018, MTC/ABAG launched the Horizon initiative, focused on preparing the Bay Area for an uncertain future. Through four main work elements - Public Engagement, Perspective Papers, Project Performance, and Futures Planning – Horizon sought to identify transformative solutions to make the Bay Area more resilient and equitable in the coming decades. Each element was crafted to help build a stronger foundation for the next-generation regional plan, Plan Bay Area 2050.

Over the past 18 months, the Futures Planning process has advanced from identifying Futures to testing strategies to study in each of the them. Along the way, staff explored how Plan Bay Area 2040 strategies performed under a wide range of divergent external forces. In short, many of the prior Plan's strategies struggled to perform when exposed to a greater variety of political, technological, economic and environmental challenges that could impact the lives of Bay Area residents. These were discussed in detail in the *Futures Interim Report – Opportunities and Challenges* (published March 2019).

Most recently, staff held public workshops and stakeholder meetings in spring 2019 to identify a set of roughly 30 strategies to study in the second round of Futures Planning. These strategies were designed to be both resilient and equitable, targeting the specific challenges laid out in the Futures Interim Report. Over summer 2019, staff have been conducting extensive quantitative and qualitative analysis of the strategies, simulating their impacts to provide an informed recommendation about which should be considered for inclusion in Plan Bay Area 2050.

Issues:

In advance of the Futures Final Report publication later this month, staff is providing a summary of preliminary findings from the Futures Round 2 analysis. These findings are highlevel, focusing on the "top 10" key takeaways from our work

Round 2 Analysis: Horizon Strategies Figure 1: Primary steps of the Futures element of Horizon. so far; the report will delve into the specifics in greater detail, serving as an initial staff recommendation for the Draft Blueprint phase of Plan Bay Area 2050.

External Forces

Futures Creation

Round 1 Analysis:

Plan Bay Area 2040

<u>Strategies</u>

Prioritization

As detailed in **Attachment A**, our work to date has generated ten high-level findings based on the strategies studied in Futures Round 2:

- 1. New growth areas enable more growth near transit and near opportunity.
- 2. A mix of strategies to retain and expand affordable housing made progress in addressing the current affordable housing gap.
- 3. Shifts in transportation mode choice were most pronounced for active transportation, driven in part by micromobility strategies.
- 4. While still present, transit overcrowding was partially alleviated, with new bus rapid transit (BRT) lines as well as a new Transbay Rail Crossing playing a key role.
- 5. Road pricing reduced roadway congestion, but equity concerns need to be addressed before advancing this strategy further.
- 6. Economic development strategies evaluated were insufficient to slow the decline of the middle class.
- 7. Adaptation and retrofit strategies boosted our region's resilience.
- 8. Urban growth boundaries led to minimal greenfield development in both Round 1 and Round 2.
- 9. A VMT-based fee on office development was effective in focusing office growth, but not in shifting jobs to the East and North Bay.
- 10. A large tax package focused on higher-income individuals and businesses, contemplated to underwrite the cost of strategy projects and subsidies, did not have significant adverse impacts on the economy.

In addition to high-level findings, the final report will provide a breakdown of findings for each individual strategy, focusing on its resilience to a range of uncertain future conditions as well as its implications for social equity.

The Futures Planning work – in particular, the Futures Final Report – will serve as a helpful foundation for staff, committees, and board members as key Plan Bay Area 2050 decisions must be made over the coming months. Through the Blueprint planning process, the subset of Horizon strategies that proved resilient and equitable under a wide range of future conditions can be refined, improved on, and when needed, supplemented.

Starting this month, staff will hold "pop-up" workshops across the region, highlighting the most effective strategies from the Futures Final Report; this will allow us to better understand which strategies resonate with the public. Staff will also host Plan Bay Area 2050 Blueprint half-day stakeholder workshops focused on the four topical areas of the plan: Transportation, Housing, the Environment, and the Economy. Feedback at these events will inform refinements to the strategies to study in the Blueprint phase.

Recommendation:

None

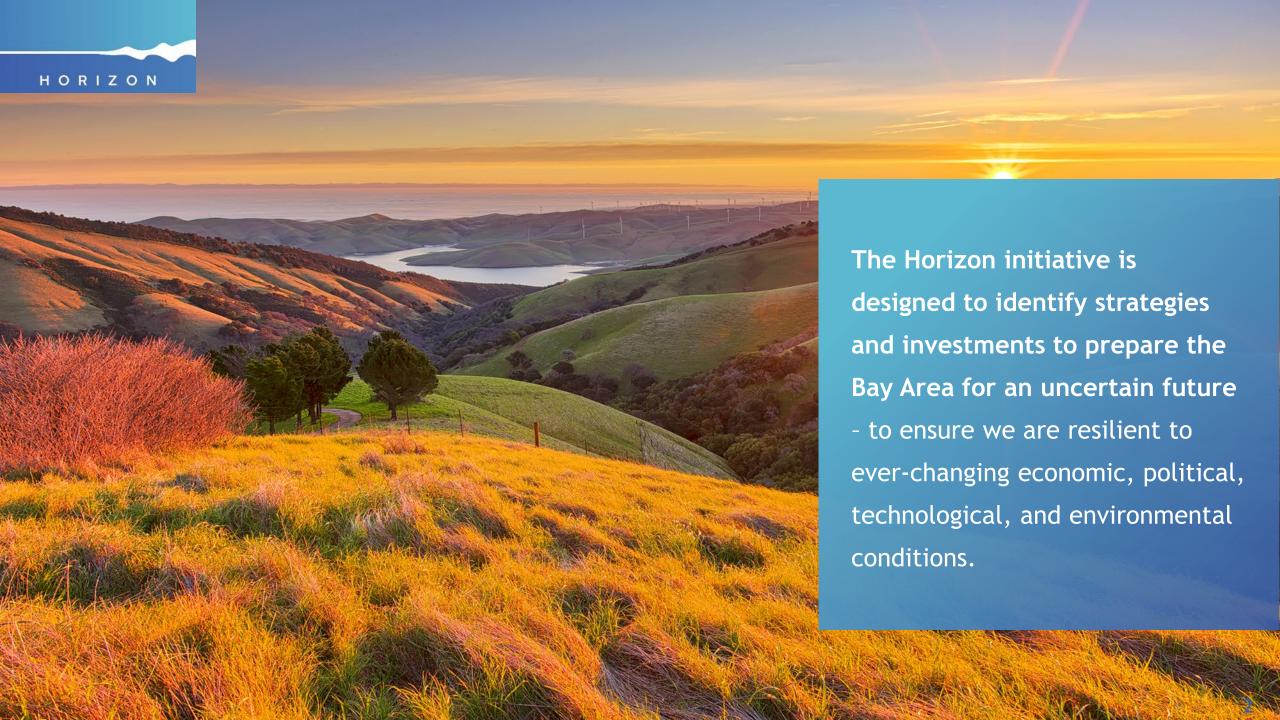
Attachments:

Attachment A: PowerPoint Presentation

Therese W McMillan

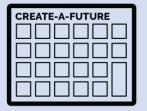
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Futures Process

OUTREACH











ROUND 1 ANALYSIS

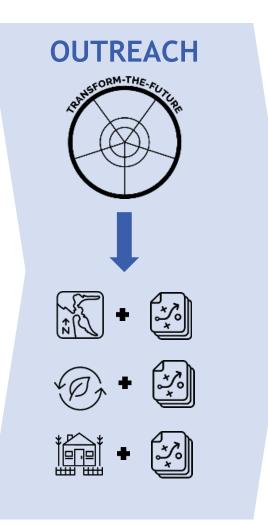
Current Strategies





REPORT





ROUND 2 ANALYSIS

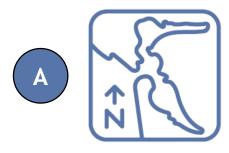
New Strategies



REPORT



Three Futures - "What If?" Scenarios



Rising Tides, What if... the federal government cuts spending and reduces regulations, leaving more policy decisions to states and regions?



What if... new technologies and a national carbon tax enabled greater telecommuting and distributed job centers?



What if... an economic boom and new transportation options spur a new wave of development?

Round 1 Analysis Round 2 Analysis Comparing the three Futures, how does Plan Comparing against Round 1 results, how do Bay Area 2040 fare in an era of uncertainty? new strategies improve each Future? 2015 2015 Rising Tides, Falling Fortunes External External (RTFF) **Baseline Forces** Strategies **Baseline Forces Strategies** (RTFF) (PBA 2040) (RTFF) (Horizon_s) 2015 2015 Clean and Green External External (CAG) Baseline **Forces Strategies Baseline Forces Strategies** (CAG) (PBA 2040) (CAG) (Horizon \$\sigma\$) 2015 2015 Back to the Future External External (BTTF) **Baseline Strategies Baseline Forces Strategies Forces** (PBA 2040) (BTTF) (BTTF) (Horizon & &)

Refresher: External Forces for Each Future

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 urban	Relaxed regulations (3' SLR)	More limited	Magnitude 7.0 Hayward Fault earthquake
				Similar to today			
Clean and Green	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
				Jobs: more dispersed			
Back to the Future	Increased	Similar to today	Rapid	Housing: more dispersed	Similar to today (2' SLR)	Widespread	Magnitude 7.0 Hayward Fault earthquake
				Jobs: more urban			

Refresher: How Did We Integrate the Megaregion?



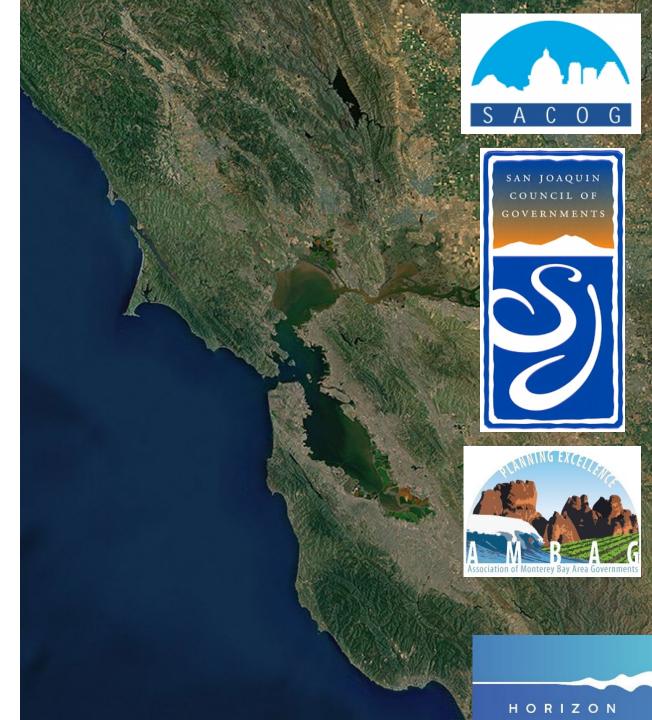
Status quo Future - interregional travel continues to grow at current rate, including in-commuting



Federal policy minimizes further growth in interregional travel, with new taxes making it much less affordable for mega-commuters



Low cost of driving allows the megaregion to blossom - with much more rapid interregional growth than today overwhelming existing regional gateways



Refresher: 35 Strategies Analyzed

Strategies were designed to support these nine priority areas, based on the Futures Interim Report findings. While new revenues were assumed in all Futures, fiscal constraint did mean that some strategies were omitted from Rising Tides, Falling Fortunes.



Improve Access, Speed, and Reliability of Transportation



Improve Economic Mobility



Prioritize Active Modes



Shift the Location of Jobs



Price Transportation Services



Spur Housing Production



Reduce the Environment's Impact on Us



Retain & Expand Affordable Housing



Reduce Our Impact on the Environment

Refresher: Five Challenges from Round 1 Analysis

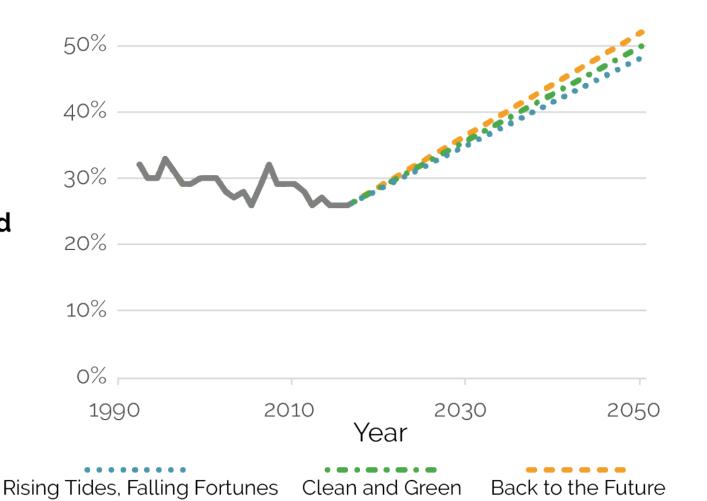
In the Futures Interim Report (March 2019), a set of key challenges were identified. The challenges focused on how Plan Bay Area 2040 strategies might fare under previously-unstudied external forces like sea level rise, autonomous vehicles, and federal policy shifts.



Without new strategies in place, Bay Area housing affordability continued to get worse.

Average
Share of
Household
Income
Spent on
Housing

Observed



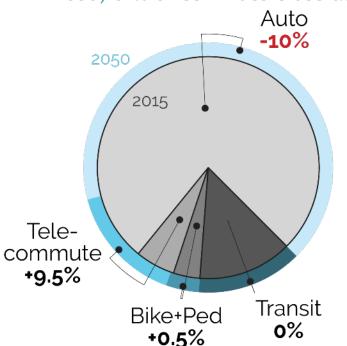




Public transit, walking, and bicycling saw limited gains in mode share compared to 2015 conditions.

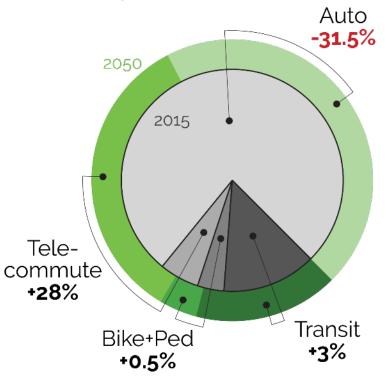
Rising Tides, Falling Fortunes

In 2050, 67% of commuters use autos.



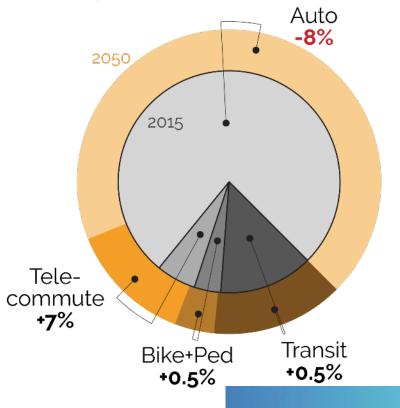
Clean and Green

In 2050, 45% of commuters use autos.



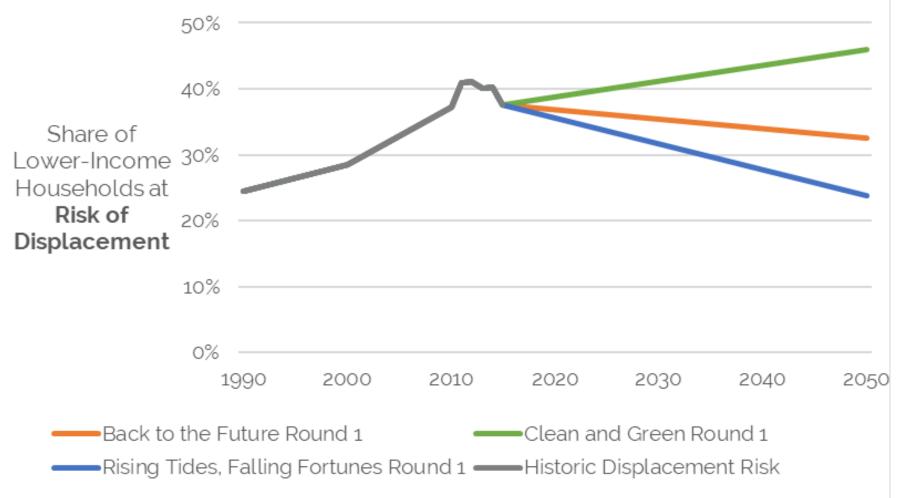
Back to the Future

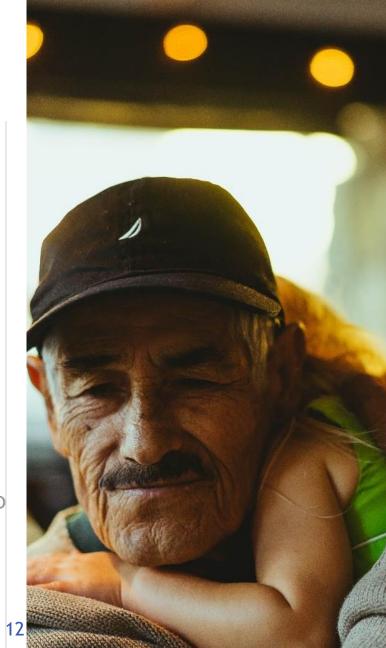
In 2050, 69% of commuters use autos.



DIVERSE

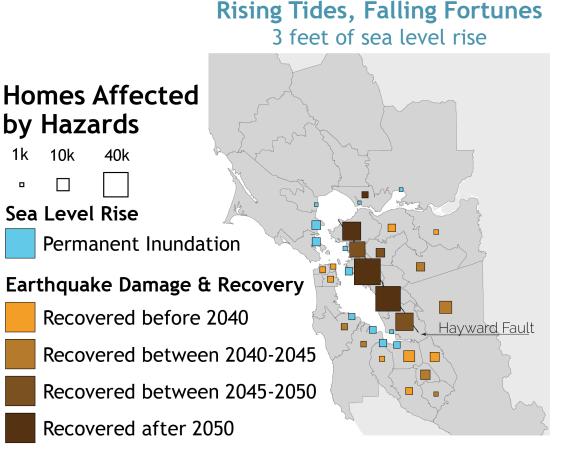
A significant share of lower-income households remained at risk of displacement in each Future.

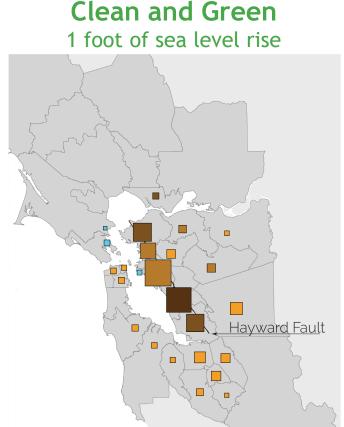


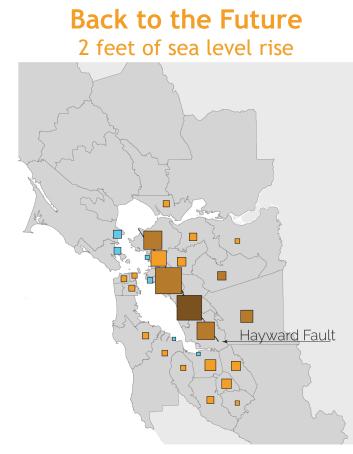




Unmitigated impacts from sea level rise and natural disasters resulted in significant damage across the region.

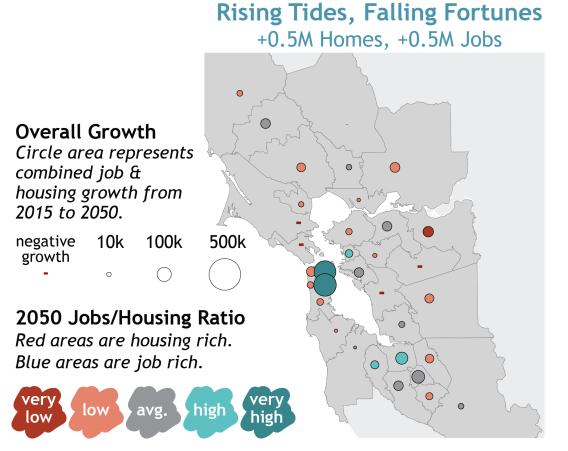


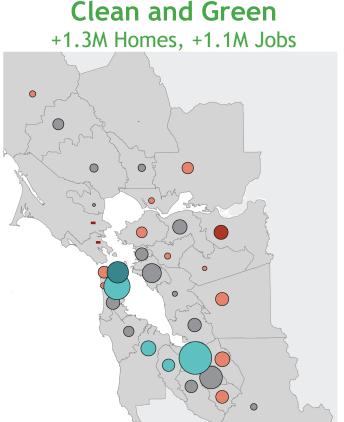


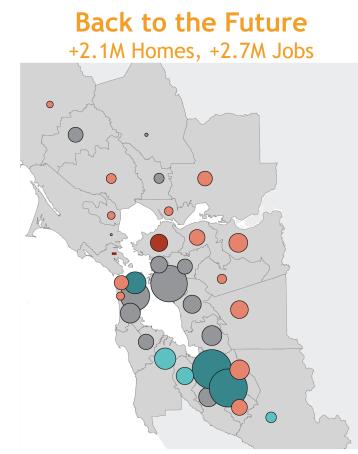




Land use strategies included in *Plan Bay Area 2040* were insufficient to address the region's longstanding jobs-housing imbalance.







Top 10: Horizon Strategy Findings

We have explored the effectiveness of over 30 strategies to improve the region's economic, housing, transportation, and environmental challenges.

New growth areas enable more growth near transit and near opportunity.



Allow Diverse Housing Around Transit



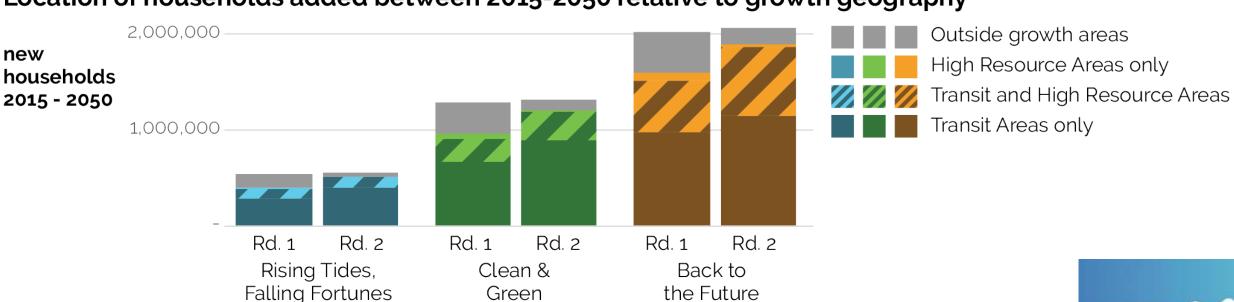
Allow more diverse housing growth around areas with high frequency transit. Expand the growth footprint beyond the current list of PDAs.

Allow Diverse Housing in High-Resource Areas



Allow more diverse housing growth in areas of high opportunity that also have moderate transit service. Expand the growth footprint beyond the current list of PDAs.

Location of households added between 2015-2050 relative to growth geography



16

A mix of strategies to retain and expand affordable housing made progress in addressing the current affordable housing gap.



Pass Inclusionary Zoning Policies



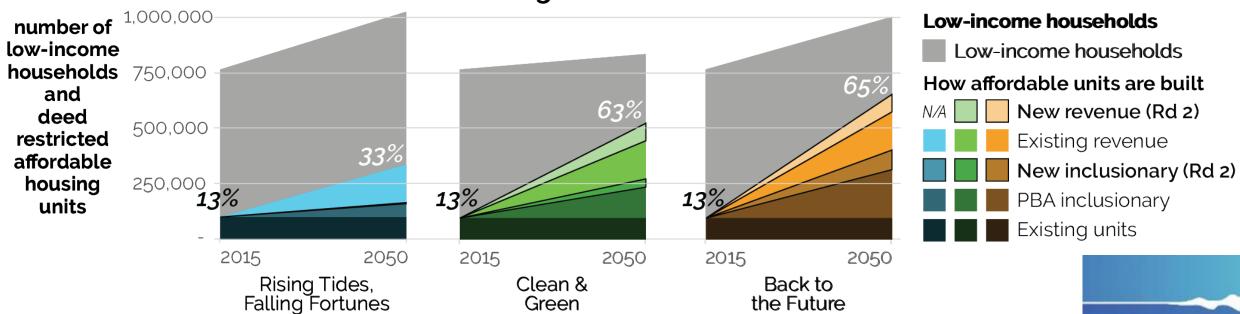
Require 10% to 20% of all new development to be deed-restricted affordable, expanding off the Plan Bay Area 2040 inclusionary strategy.

Fund Affordable Housing



Raise \$1.5 billion in new annual revenue to build and preserve affordable housing, complementing existing federal, state, and local affordable housing funds.

Number of deed restricted affordable housing units and the number of low-income households



Shifts in transportation mode choice were most pronounced for active transportation, driven in part by micromobility strategies.



Strategies that prioritized active modes.



Implement Vision Zero Speed Reductions Reduce speed limits to 25 mph on local roads within three miles of transit, in addition to reducing speeds on highways.



Build a Micromobility Network

Build nearly 10,000 miles of micromobility infrastructure, including protected lanes and trails.



Invest in Free Short-Trip Service

Fund shared personal mobility, including scooters and electric bikes, within 3 miles of transit.

Other strategies that contributed to modal shift.



Suite of Growth Pattern Strategies

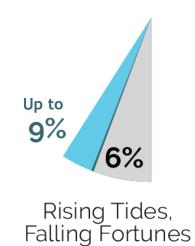
By changing the growth pattern in Round 2 analysis, more households and jobs are in areas where the active transportation investments were



Apply Time-of-Day Tolls on All Freeways

Toll vehicles on highways based on the time of day and the number of occupants in the vehicle.

Active (walk & bike) mode share in 2015, and Futures round 1 and round 2 analysis







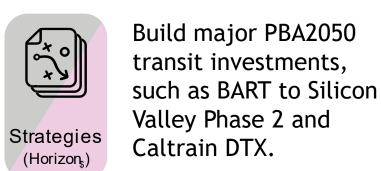


the Future

Green

While still present, transit overcrowding was partially alleviated, with new Bus Rapid Transit (BRT) lines as well as a new Transbay Rail Crossing playing a key role.

Make Strategic Transit Investments



Build a Next-Generation BRT Network



Create a fast and frequent regional bus network, providing redundancy for rail lines and connecting underserved areas.

Build a New Transbay Rail Crossing



Build a new rail crossing from the East Bay to the West Bay to provide greater transit capacity across the Bay.

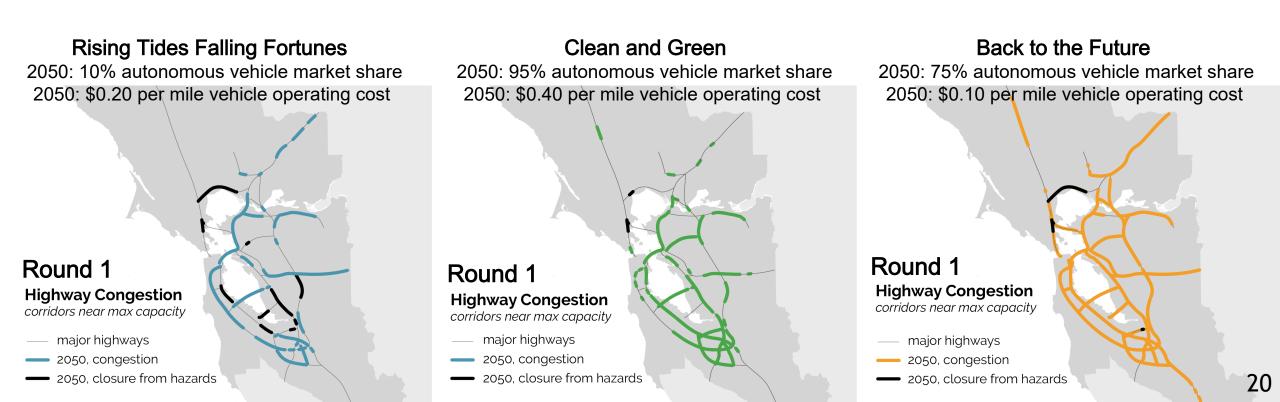
Final analysis of transit overcrowding still under development.

Road pricing reduced roadway congestion, but equity concerns need to be addressed before advancing this strategy further. (part 1)



We were able to explore how congestion was affected by external forces & strategies.

The next slide will show the difference in Round 2.



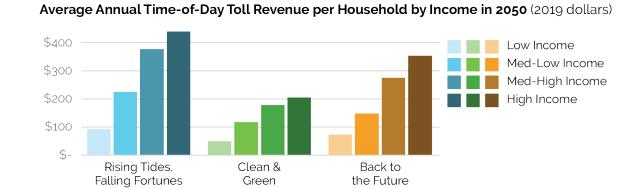
Road pricing reduced roadway congestion, but equity concerns need to be addressed before advancing this strategy further. (part 2)



Apply Time-of-Day Tolls on All Freeways

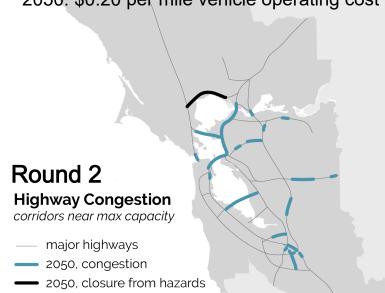


Apply a \$0.05 - \$0.15 per mile toll on all freeways depending on vehicle occupancy and time of day.



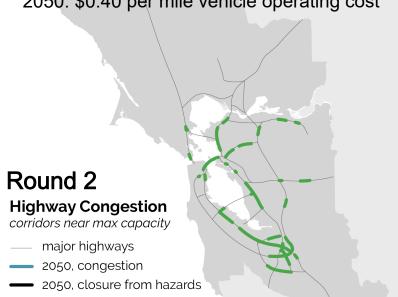
Rising Tides Falling Fortunes

2050: 10% autonomous vehicle market share 2050: \$0.20 per mile vehicle operating cost



Clean and Green

2050: 95% autonomous vehicle market share 2050: \$0.40 per mile vehicle operating cost



Back to the Future

2050: 75% autonomous vehicle market share 2050: \$0.10 per mile vehicle operating cost



Economic development strategies evaluated were insufficient to slow the decline of the middle class.



Create Incubator Programs



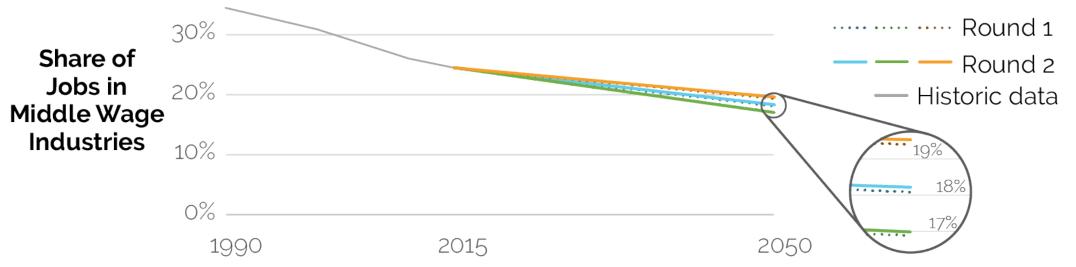
Expand and create new job incubator programs in economically-challenged communities.

Expand Construction Workforce Programs



Expand construction workforce development and training programs. Support early construction professionals in early apprenticeship years.

Share of regional jobs in middle wage industries - historic and projected



Adaptation and retrofit strategies boosted our region's resilience.



Adapt to Sea Level Rise



Leverages existing and new revenues to fund a hybrid set of gray and green infrastructure systems to adapt the region.

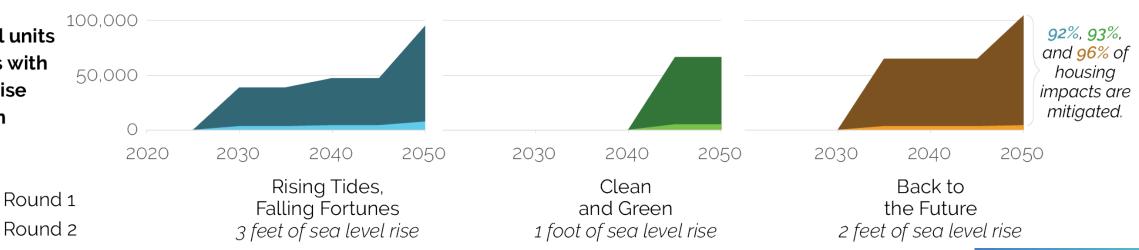
Retrofit Older Existing Buildings



Provides 50% subsidies for older buildings built before current codes to support common earthquake, wildfire, energy, and water retrofit strategies.

Residential sea level rise impacts in Futures round 1 (without adaptation) and round 2 (with adaptation)

residential units on parcels with sea level rise inundation



Urban growth boundaries led to minimal greenfield development in both Round 1 and Round 2.

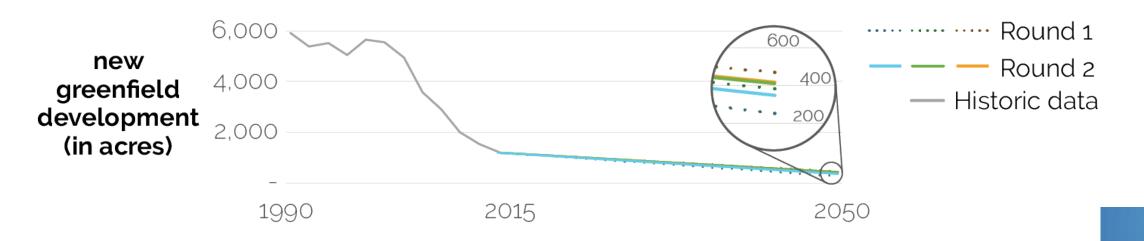


Maintain Urban Growth Boundaries



Restrict urban development on greenfield lands, continuing the region's recent commitment to reducing sprawl outward.

Acres of greenfield development annually - historic and projected



A VMT-based fee on office development was effective in focusing office growth, but not in shifting jobs to the East and North Bay.



Apply a VMT-Based Fee on Office Development

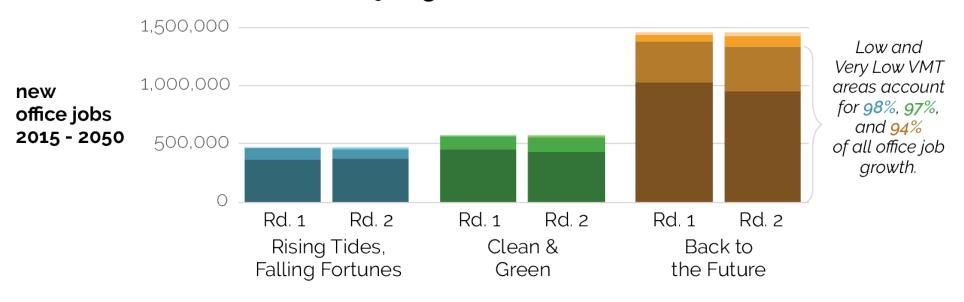


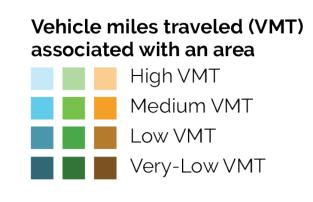
Apply a fee on new office development in areas that have high employment-related vehicle miles traveled (VMT), expanding upon a Plan Bay Area 2040 strategy.

Given that this strategy was included in Plan Bay Area 2040, it was studied in both Futures Round 1 and Futures Round 2 - and was very effective in focusing growth in low-VMT places in both analyses.

Further refinements could focus on better tailoring this strategy to reflect county-level conditions - rather than "one size fits all".

Location of new office-related job growth relative to an area's associated VMT level





A large tax package (to fund subsidies / projects) focused on higher-income individuals and businesses did not have significant adverse impacts on the economy.

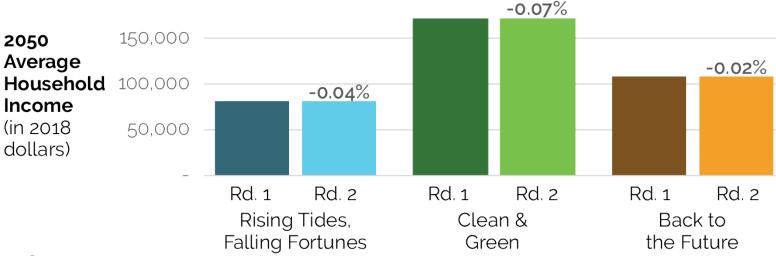


Raise New Revenues

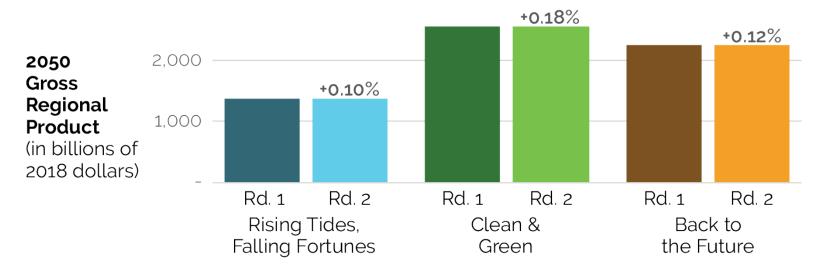


Place a balanced tax increase on businesses, parcels (building and home owners), and high-income earners.

Projected Average Household Income in 2050



Projected Annual Gross Regional Product in 2050



Initial economic analysis indicates that impacts would be relatively limited; however, further refinements could potentially better reflect the broader suite of benefits from infrastructure investments.

Rating Strategies

Staff have selected one of three ratings for each strategy, based on its resilience and efficacy in the Futures analysis as well as its support for equitable outcomes.

Futures Round 2: Strategy Recommendations Economy





Recommended to move forward into Plan Bay Area 2050 Blueprint.

No economic strategies received this rating.



Recommended to move forward with minor revisions.

Assess a VMT-Based Fee on Office Development

Create Incubator Programs in Economically-Challenged Areas

Expand Childcare Support for Low-Income Families



Not recommended to move forward unless major revisions are made.

Expand Construction Workforce Programs

Place Office Caps in Job-Rich Cities

Already advancing into implementation due to state legislative action in 2019.

Provide Portable Benefits for Part-Time/Freelance Workers

Not explored as part of Futures Round 2 analysis, but will be explored as part of Plan Bay Area 2050 Blueprint.

Establish Priority Production Areas to Protect Industrial Lands

Futures Round 2: Strategy Recommendations Housing





Recommended to move forward into Plan Bay Area 2050 Blueprint.

Allow Diverse Housing in Priority Development Areas (PDAs)

Streamline Development in All Growth Areas



Recommended to move forward with minor revisions.

Allow Diverse Housing around Major Transit Stops (TPAs)

Allow Diverse Housing in High-Resource Areas (HRAs)

Transform Aging Malls and Office Parks into Neighborhoods

Fund Affordable Housing Preservation & Production

Require 10 to 20 Percent of All New Housing to be Affordable



Not recommended to move forward unless major revisions are made.

No housing strategies received this rating.

Already advancing into implementation due to state legislative action in 2019.

Repurpose Public Land to Build Housing

Increase Renter Protections

Futures Round 2: Strategy Recommendations Transportation





Recommended to move forward into Plan Bay Area 2050 Blueprint.

Operate and Maintain the Existing System

Advance a Complete Micromobility Network

Develop a Single Platform to Access and Pay for All Mobility



Recommended to move forward with minor revisions.

Advance a New Transbay Rail Crossing

Invest in Free Short-Trip Service

Implement Vision Zero Speed Reduction Measures



Not recommended to move forward unless major revisions are made.

Apply Time-of-Day Tolls on All Freeways

Ratings pending release of Draft Project Performance results.

Provide Free Transit to Lower-Income Riders

Make Strategic Transit Modernization/Expansion Investments

Build a Next-Generation Bus Rapid Transit Network

Build Carpool Lanes & Address Interchange Bottlenecks

Advance Next-Generation Rail Modernization

Extend the Regional Rail Network

Futures Round 2: Strategy Recommendations Environment





Recommended to move forward into Plan Bay Area 2050 Blueprint.

Keep Current Urban Growth Boundaries in Place

Partially Adapt to Sea Level Rise



Recommended to move forward with minor revisions.

Retrofit Older Existing Buildings (Energy, Water, Seismic, Fire, etc.)

Fully Adapt to Sea Level Rise



Not recommended to move forward unless major revisions are made.

Purchase Disaster Recovery Financing

Rating pending release of Draft Project Performance results.

Adapt SR-37 to Sea Level Rise



Futures Final Report:

Resilient and Equitable Strategies for the Bay Area's Future

The full report will highlight the full suite of strategies studied and describes to what extent the region performs better with these strategies.

The report is expected to be posted on the MTC website later this month.



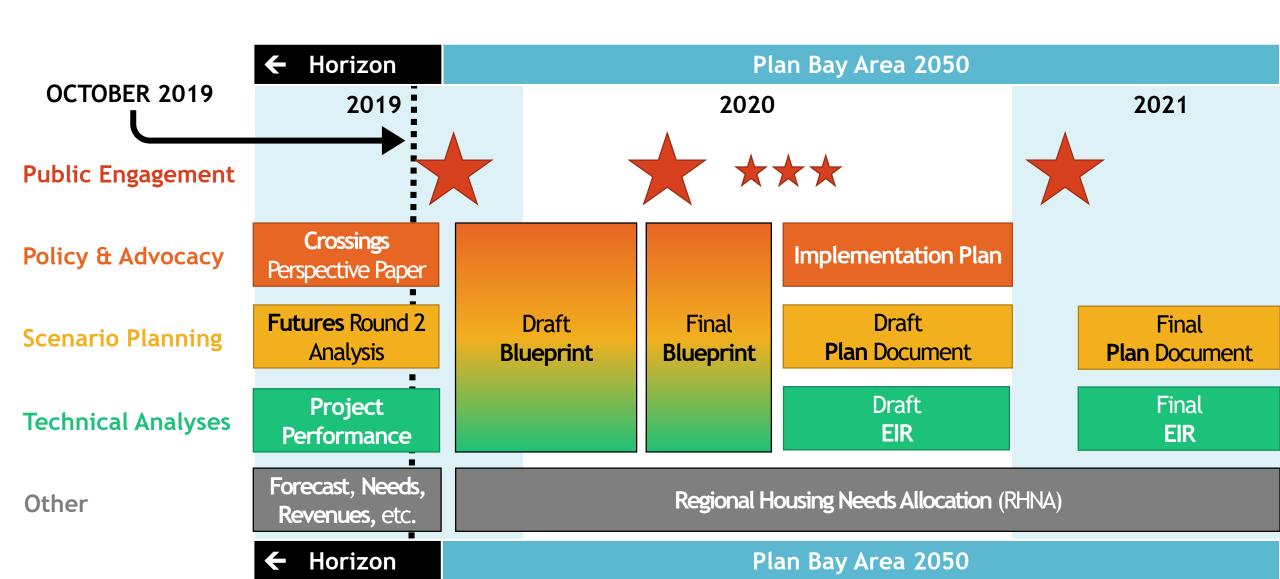
HORIZON

What's Next?

Horizon provided an opportunity to "stress test" key strategies in advance of Plan Bay Area 2050. Input from elected officials, stakeholders, and the general public will help inform further refinements to make the shortlist of strategies included in the Plan Bay Area 2050 Draft Blueprint as resilient and equitable as possible.

The final decision on what strategies to include will occur in early 2020 and will be made by the MTC Commission and ABAG Executive Board.

Plan Bay Area 2050 Schedule



Futures Scorecard: Round 1 vs. Round 2		Rising Tides, Falling Fortunes		Clean and Green		Back to the Future	
Affordable	Housing costs (as a share of income)	Rd. 1 48% Rd. 2 <i>TBD</i>	_	Rd. 1 50% Rd. 2 <i>TBD</i>	•	Rd. 1 52% Rd. 2 <i>TBD</i>	↓ ↓
	Affordable housing production (new units between 2015 and 2050)	Rd. 1 230k Rd. 2 240k	_	Rd. 1 310k Rd. 2 420k	11	Rd. 1 390k Rd. 2 560k	1
Connected	Non-auto commute mode share	Rd. 1 39% Rd. 2 43%	1	Rd. 1 59% Rd. 2 63%	1	Rd. 1 37% Rd. 2 39%	•
	Average commute time (in minutes)	Rd. 1 39 Rd. 2 38	_	Rd. 1 40 Rd. 2 42	_	Rd. 1 49 Rd. 2 48	_
Diverse	Displacement risk (share of lower-income households)	Rd. 1 24% Rd. 2 25%	_	Rd. 1 46% Rd. 2 47%	_	Rd. 1 33% Rd. 2 32%	_
	Lower-income households (share of total)	Rd. 1 55% Rd. 2 54%	_	Rd. 1 37% Rd. 2 39%	_	Rd. 1 39% Rd. 2 40%	_
Healthy	Annual per-capita GHG emissions (in metric tons; from transportation)	Rd. 1 1.6 Rd. 2 TBD	•	Rd. 1 0.5 Rd. 2 TBD	•	Rd. 1 1.0 Rd. 2 TBD	•
	Annual greenfield development (in acres)	Rd. 1 250 Rd. 2 350	_	Rd. 1 380 Rd. 2 400	_	Rd. 1 480 Rd. 2 430	_
Vibrant Futures Handout - F	Per-capita gross regional product (in 2015 dollars)	Rd.1 \$130k Rd.2 \$130k	_	Rd.1 \$190k Rd.2 \$190k	_	Rd.1 \$140k Rd.2 \$140k	
	Share of jobs in middle-wage industries Regional Advisory Working Group. October 7, 2019	Rd. 1 18% Rd. 2 18%	_	Rd. 1 17% Rd. 2 17%	_	Rd. 1 19% Rd. 2 20%	_



Metropolitan Transportation Commission

Legislation Details (With Text)

File #: 19-0888 **Version**: 1

Type: Report Status: Informational

File created: 7/31/2019 In control: Regional Advisory Working Group

Name:

On agenda: 9/10/2019 Final action:

Title: Transit Update: Rail Synthesis and Crossings

Highlights of the progress on regional rail over the past decade, including identification of potential next steps to improve the region's transit system and discussion of tradeoffs associated with a new

Transbay Crossing.

Sponsors:

Indexes:

Code sections:

Attachments: 03 Regional Rail Planning Update.pdf

Date Ver. Action By Action Result

Subject:

Transit Update: Rail Synthesis and Crossings

Highlights of the progress on regional rail over the past decade, including identification of potential next steps to improve the region's transit system and discussion of tradeoffs

associated with a new Transbay Crossing.

Presenter:

Adam Noelting and Anup Tapase

Recommended Action:

Information

Attachments:

Metropolitan Transportation Commission and the Association of Bay Area Governments Regional Advisory Working Group

October 8, 2019 Agenda Item 3

Transit Update: Rail Synthesis and Crossings

Subject: Highlights of the progress on regional rail over the past decade, including

identification of potential next steps to improve the region's transit system and

discussion of tradeoffs associated with a new Transbay Crossing.

Background: Regional Advisory Working Group Agenda Item 3, Transit Update: Rail

Synthesis and Crossings, is attached. Staff will seek input on the Transit Update: Rail Synthesis and Crossings at the October 12, 2019, Joint MTC Planning

Committee with the ABAG Administrative Committee.

Staff will be at your October 8, 2019, meeting to discuss this item. The Working

Group's input is requested.

Attachments: Agenda Item 5b from the October 2019 Joint MTC Planning Committee with the

ABAG Administrative Committee

Metropolitan Transportation Commission and the Association of Bay Area Governments Joint MTC Planning Committee with the ABAG Administrative

October 11, 2019 Agenda Item 5b

Transit Update: Rail Synthesis and Crossings

Subject: Highlights of the progress on regional rail over the past decade, including

identification of potential next steps to improve the region's transit system and

discussion of tradeoffs associated with a new Transbay Crossing.

Background: Over ten years ago, MTC partnered with the Peninsula Corridor Joint Powers

Board (Caltrain), the Bay Area Rapid Transit District (BART), and the California High-Speed Rail Authority (CHSRA) for a two-year planning effort to develop a long-range vision for improving the passenger rail system in the San Francisco Bay Area as well as the wider Northern California megaregion. The Regional Rail Plan for the San Francisco Bay Area (2007 RRP) identified more than 50 capital improvement projects organized by a series of corridors. The 2007 RRP also recognized that success depended on more than the delivery of capital improvements, noting the need for bold policy changes to reform land use, transit

governance, and transportation funding.

The Bay Area has delivered on a number of the 2007 RRP's ready-to-go capital improvement projects, and project development phases continue for a number of other key projects. However, the region has fallen short on many of the policy recommendations, particularly the bold policy changes to reform governance and

project delivery.

Current passenger rail trends are creating challenges for the region. Rail services are expensive to operate and maintain – accounting for a significant share of the long-range regional plan – yet at the same time regional ridership peaked in 2016 and continues to become more commute-focused. Trunk lines serving San Francisco (Transbay BART & Caltrain) are over-crowded, and the delivery of

major capital projects has been slow.

Meanwhile, project development and planning studies are underway for a next-generation of regional rail investments, including the Second Transbay Rail Crossing, Caltrain Business Plan, Caltrain Downtown Extension (DTX), Diridon Integrated Station Concept (DISC) Plan, Dumbarton Rail, San Jose Rail Corridor Plan, Southern Alameda County Integrated Rail Analysis, and Valley Link efforts. Only some of these projects are currently included in the region's adopted fiscally constrained long-range plan, Plan Bay Area 2040.

Strategic choices related to governance and organizational structure are required to successfully deliver the next-generation regional rail investments. As part of their project development activities, several projects identified above— Second Transbay Rail Crossing, Caltrain Business Plan, DTX, DISC, and Valley Link—are engaged in discussions about optimal governance and organizational structures for their respective corridors or systems. Tying together these governance, capital project funding plans, and delivery options will be a key and significant effort throughout the region.

Issues:

Evolving the Regional Role

Beginning with Resolution No. 1876 (in 1988) and evolving to Resolution No. 3434 (in 2001), MTC has a legacy of regional collaboration to develop transit expansion programs.

MTC is in the midst of developing Plan Bay Area 2050—the Bay Area's long-range fiscally-constrained plan. It is not feasible to include all of the proposed next generation of regional rail investments using the region's forecasted revenues, even if new revenues become available. Fiscal constraint necessitates prioritization of investment priorities, which will be informed by MTC's ongoing Project Performance Assessment. This effort estimates project-level benefits of the region's most costly and transformative capital projects. MTC is currently evaluating approximately 100 project proposals with costs greater than \$250 million, and a significant share of these projects are regional rail investments. In total, the Project Performance Assessment is conducting evaluations for more than \$340 billion in project capital costs (2019\$). Draft results will be released November 2019 in time for the development of the Plan Bay Area 2050 Blueprint.

MTC must evolve its regional role to ensure customer-focused and fiscally responsible project implementation. **Attachment A** details three core areas where MTC can evolve to support the advancement of passenger rail service in the Bay Area.

- 1. Prioritize Investments. Leverage work from the Project Performance Assessment to understand which projects are most effective and most equitable, given financial constraints. Advance a successor to Resolution 3434.
- 2. Promote supportive land use. Building upon the Horizon land use strategies, consider which strategies can best support future rail projects, while reimaging and revamping the TOD policy in 2020.
- **3.** Optimize organization and governance. Develop partnership/ organizational options for more efficient and coordinated project delivery of the next generation regional rail investments.

Crossings

Included as part of the Project Performance Assessment framework are seven Transbay Crossing concepts. The idea of a new Transbay Crossing has captured the imagination of Bay Area residents for more than 70 years. Over the last 30 years, there have been three Bay Crossing studies, which were most recently supplemented by the 2017 Core Capacity Transit Study.

As part of the ongoing Horizon initiative, observations on the performance of these seven Transbay Crossing concepts will be profiled in an upcoming Perspective Paper to inform how Plan Bay Area 2050 might incorporate an investment of this magnitude. Highlights from the Crossings Perspective Paper findings are included in **Attachment A**. In the months ahead, BART and Capitol Corridor will embark on another second crossing study by taking an even deeper

Joint MTC Planning Committee with the ABAG Administrative October 11, 2019 Page 3 of 3

Agenda Item 5b

dive into the feasibility of a new Transbay Crossing for BART and/or commuter

rail.

Recommendation: None

Attachments: Attachment A: PowerPoint Presentation: Regional Rail Planning Update

Therese W. McMillan

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Evolving the Regional Role via Prioritization, Supportive Land Use, and Governance

Joint MTC Planning Committee with the ABAG Administrative Committee

October 11, 2019





Crowded Field, A lot Going On

- **CALTRAIN BUSINESS PLAN:** Caltrain is preparing a long-term business strategy for the future of its system
- CALTRAIN DOWNTOWN EXTENSION (DTX): SFCTA is conducting a governance and delivery review
- DIRIDON INTEGRATED STATION CONCEPT (DISC) PLAN: collaborative planning effort of future hub station and surrounding area
- **DUMBARTON RAIL:** A consortium called "Crossbay Transit Partners," comprising Facebook and Plenary Group, working with Caltrain staff, is exploring options for a new Dumbarton Rail crossing
- SECOND TRANSBAY RAIL CROSSING: BART and Capitol Corridor staff are beginning planning work related to a potential future new Bay rail crossing
- VALLEY LINK: The recently-created Tri Valley, San Joaquin Valley Regional Rail Authority (TVSJVRRA) is currently conducting a feasibility study and environmental review process for a for a potential future "Valley Link" rail project





Legacy of Regional Rail Expansion Programs

1988 2001 2007 2020

1. MTC RESOLUTION 1876

First consensus agreement to champion high-priority rail expansions, including:

- BART to San Francisco
 International Airport (SFO);
- BART to Dublin and Pittsburg/Bay Point; and,
- Tasman light-rail extension in Silicon Valley.

2. MTC RESOLUTION 3434

- Identified \$16 billion worth of rail investment across 16 rail expansion projects.
- Established a Transit-Oriented Development (TOD) Policy by conditioning funds for supportive land use policies.

3. REGIONAL RAIL PLAN

- Built upon Res. 3434 and looked to the year 2050.
- Identified \$40+ billion
 (2006\$) worth of rail
 investment across 50+
 capital projects in 10
 corridors.

4. HORIZON/PLAN BAY AREA 2050 BLUEPRINT

Will identify a 30-year integrated regional vision for transportation, including rail transit, alongside supportive land use and resilience investments.



2007 Regional Rail Plan ("RRP") Vision



- Ring the Bay With Rail
- The Right Technology Should Be Used With the Right Corridor
- The BART & Caltrain Systems are the Backbone
- The BART System's Outward Expansion is Nearly Complete
- Rail Infrastructure Must Be Expanded to Accommodate Growth In Passenger and Freight Traffic



LAND USE

Rail Transit and Focused Transit-Oriented Developments Must Go Hand in Hand



- The Bay Area Needs a Regional Rail Network
- High-Speed Rail Provides Opportunities to Enhance and Accelerate Regional Rail Improvements
- Institute a New Governance Structure for Delivery of Rail Services
- Successor to Resolution 3434 Needed to Advocate for Rail Funding



Rail Implementation Recent Highlights

CAPITAL PROJECTS HIGHLIGHTS



1. Addition of a 4th daily round trip on ACE service (2012)



2. Inauguration of the BART Oakland Airport Connector (2014)



3. Inauguration of SMART from Santa Rosa to San Rafael (2017)



4. Opening of BART to Warm Springs/South Fremont (2017)



5. Opening of the Fairfield-Vacaville Capitol Corridor Station (2017)



6. Inauguration of BART to Antioch (2018)



7. Opening of the Salesforce Transit Center (2018)



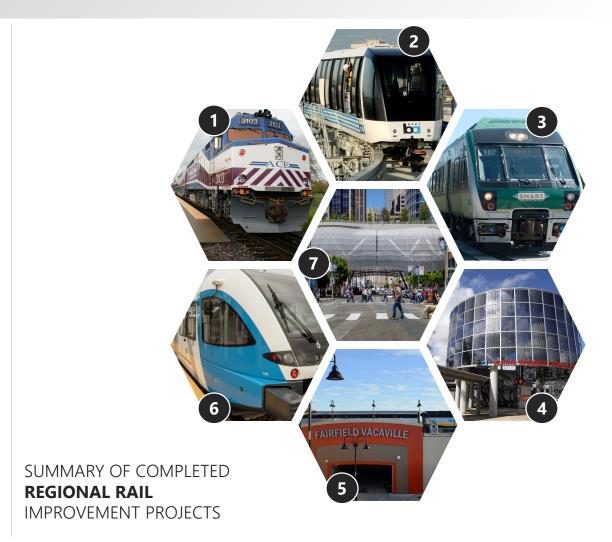
8. Opening of BART to Berryessa (under testing)



9. Opening of SMART to Larkspur Ferry (under testing)

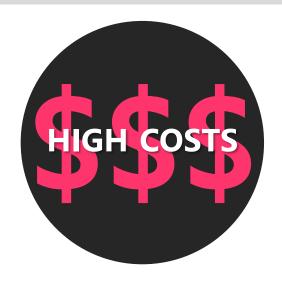


10. Modernization and Electrification of Caltrain (under construction)





Current Trends for the Rail Network

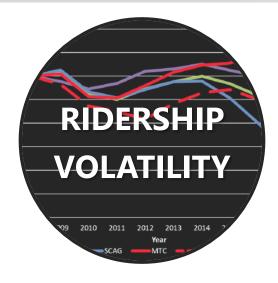


\$108 BILLION

total Plan investment thru 2040

RAIL INVESTMENTS:

26% of Plan (\$78b) to operate & maintain 10% of Plan (\$30b) to modernize & expand



2016

recent peak of ridership

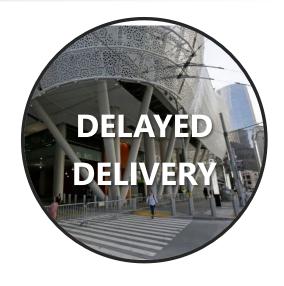
ridership is becoming more commute-focused, propped up by BART's Transbay service and Caltrain's Baby Bullet



120%

of Transbay capacity in 2018

in the Transbay corridor, demand on BART exceeds capacity during peak periods



DECADES

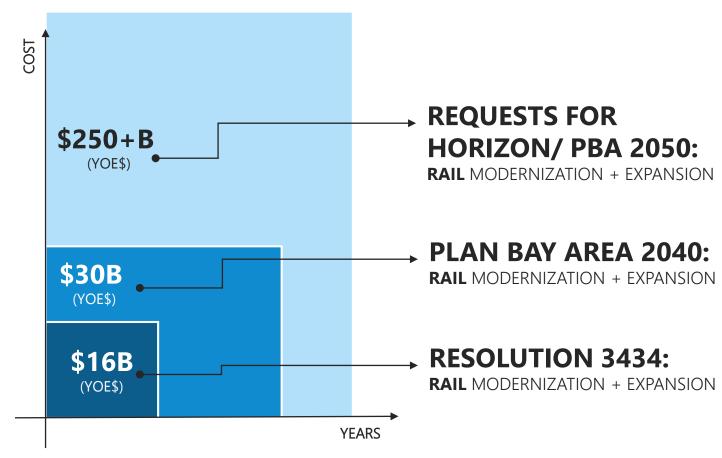
to design, fund & build megaprojects

delays occur in all phases: development, environmental, design/engineering, right-of-way acquisition, & construction



Growing Demands to Modernize + Expand

SUMMARY OF RAIL NETWORK IMPROVEMENT PROJECTS





Opportunities to Evolve Regional Role

Use Performance to



Promote Supportive



Optimize



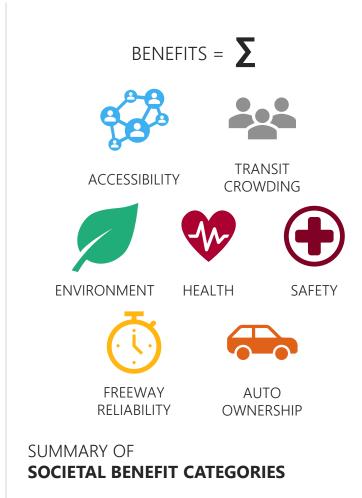
ORGANIZATION & GOVERNANCE





Project Prioritization Framework

- Past **REGIONAL CONSENSUS AGREEMENTS** have championed high-priority rail expansions.
- A **PROJECT PERFORMANCE ASSESSMENT** is used to inform priorities and includes: 1) Benefit-cost ratio; 2) Guiding Principles assessment; and, 3) Equity score.
- The **INVESTMENT STRATEGY** for the regional plan establishes long-term priorities.





Project Prioritization — What's Next



PRIORITIZATION

- MTC is conducting a **PROJECT PERFORMANCE ASSESSMENT** for nearly 100 projects to inform the next long-range regional plan, **PLAN BAY AREA 2050.** Results of the assessment are anticipated to be shared beginning in **NOVEMBER 2019**.
- In **WINTER 2019/2020**, MTC will develop the draft Plan Bay Area 2050 Blueprint—resulting in a 30-year fiscally-constrained transportation investment strategy of projects and programs.
- In **Spring 2020**, PBA 2050 will set a framework for a successor to Resolution 3434.





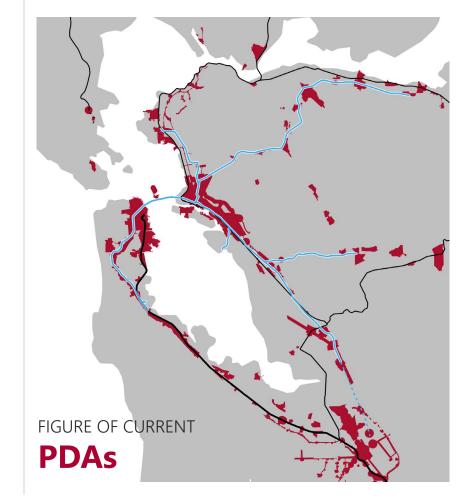
Supportive Land Use

GROWTH FRAMEWORK (PLAN BAY AREA):

- Consists of self-nominated Priority Development Areas (PDAs) & Priority
 Conservation Areas (PCAs)
- PDAs = Frequent Transit & Planned for Housing
- PDAs account for <5% of the region's land area but take on more than 80%+
 of the region's projected long-term growth

TOD POLICY (RESOLUTION 3434):

- Conditions regional funding for transit expansion projects on having enough people living near the proposed new stations to support ridership.
- Sets minimums for the # of existing and/or permitted housing units within ½ mile of each station along the expansion corridor based on the project type.
- This policy currently only applies to BART, Light Rail, Bus Rapid Transit, Commuter Rail, and Ferry expansion projects.





Supportive Land Use — What's Next



LAND USE

- In **October 2019,** staff will share findings from Horizon's Futures Planning Round 2—which is testing strategies for consideration into Plan Bay Area 2050, including intensifying development near transit and in high-resource areas.
- In **November 2019,** staff will begin sharing the letters of intent for the regional growth framework of PDAs, PCAs and PPAs.
- In **WINTER 2019/2020,** MTC will develop the draft Plan Bay Area 2050 Blueprint to accommodate the region's forecasted 30-year growth.
- In 2020, reimagine and revamp TOD policy in light of recent housing legislation, growth framework, and insights of RHNA process.





Optimize Organization & Governance

ORGANIZATION:

- More than two dozen agencies provide transit service in the Bay Area.
- Five rail services are operating within the region and one is under planning*,
 - O COMMUTER RAIL: BART + Caltrain + SMART + Dumbarton Rail*
 - LIGHT RAIL: Muni + VTA
- Another Five rail services are operating within the mega-region and two are under planning*,
 - Intercity Rail: ACE + Capitol Corridor + San Joaquins + High Speed Rail* + Valley Link*
 - o Interstate Rail: California Zephyr + Coast Starlight

COORDINATION:

- Challenges integrating service, schedules, and fares.
- Challenges delivering projects in major corridors.

- Service Planning
- Fares & Information Systems
- Stations
- Major Capital Projects
- Infrastructure Maintenance
- Train Operations
- Access & Egress
- Commercial Activities
- General Admin. Services

SUMMARY OF

CORE RAILWAY FUNCTIONS



Organization & Governance — What's Next



ORGANIZATION & GOVERNANCE

- In 2019/2020, Project development and Organization/Governance activities are underway for the following projects/corridors
 - CALTRAIN CORRIDOR
 - DIRIDON STATION
 - DOWNTOWN EXTENSION
 - TRANSBAY CROSSING
 - VALLEY LINK
- In January 2020, staff will convene a Commission workshop to discuss partnership/organizational challenges related to efficient and coordinated project delivery of the next generation regional rail investments.



Summary of Upcoming Activities



- **NOVEMBER 2019:** staff will release and discuss the Project Performance Assessment results for nearly 100 projects.
- WINTER 2019/2020: MTC will develop the Blueprint for Plan Bay Area 2050, including a Transportation Element with a fiscally-constrained list of transportation projects.



- **NOVEMBER 2019:** staff will begin share information on the letters of intent submitted for new PDAs, PCAs and Priority Production Areas (PPAs).
- WINTER 2020: ABAG/MTC will develop the Blueprint for Plan Bay Area 2050, including the Housing and Economy Elements to accommodate the region's forecasted 30-year growth.
- 2020: review and revamp TOD Policy.



JANUARY 2020: staff will convene a Commission workshop to explore more efficient and coordinated project delivery.

CASE STUDY -> Perspective Paper #5: CROSSINGS

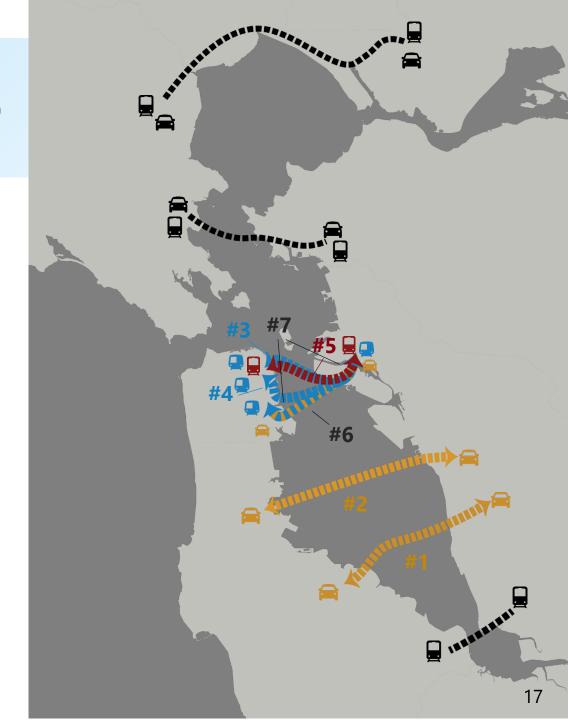
- An analysis of conceptual Transbay Crossing—"Crossings"—is an initial effort of assessing transformative projects through the lens of uncertainty to inform Plan Bay Area 2050.
- To begin the Crossings assessment, MTC engaged partner agencies to develop multi-modal Crossing concepts that:
 - Built upon previous efforts, including the Core CAPACITY TRANSIT STUDY (2017); and,
 - Considered Transformative Project ideas submitted via Horizon's open request.



Crossings Concepts Map

- 2x auto only concepts
- 2x BART only concepts
- 1x conventional rail only concept
- 1x + Combined auto + BART concept
- 1x + combined BART + rail concept

Other crossings (Dumbarton Rail Corridor, Richmond-San Rafael Bridge, SR-37) as well as ferry and Transbay bus service improvements will be assessed **as part of Plan Bay Area 2050 using the same methodology**.





Crossings Key Questions

Q1: Do Crossings accommodate Transbay demand?

Q2: Are Crossings resilient to uncertain future conditions?

Q3: Do Crossings align with the Horizon/Plan Bay Area 2050 Guiding Principles?

Q4: Do Crossings improve accessibility for low-income populations?

Q5: Do Crossing benefits outweigh their costs?



Crossings Guiding Principles Assessment

Alignment with the five Guiding Principles using specific project-focused criteria

MODE	CROSSING	AFFORDABLE	CONNECTED	DIVERSE	HEALTHY	VIBRANT
	Concept #1	-	-	-	X	
	Concept #2	-	-	-	X	X
	Concept #3	-	-	-	-	-
	Concept #4	-	-	-	-	-
	Concept #5	-	-	-	-	-
	Concept #6	-	-	X	-	-
	Concept #7	-	-	-	-	-

X Does Not Support Principle

FINDINGS:

- 1. Transit-only crossing concepts align with all of the Horizon/Plan Bay Area 2050 Guiding Principles.
- 2. Auto crossing concepts do not align with all of the Guiding Principles since they increase overall regional emissions and/or create barriers through existing communities.



Crossings Equity Scores

Measuring distributive impacts of accessibility benefits across income groups

MODE	CROSSING	RISING TIDES, FALLING FORTUNES	CLEAN AND GREEN	BACK TO THE FUTURE
	Concept #1	Impedes	Impedes	Even
	Concept #2	Even	Impedes	Even
	Concept #3	Even	Even	Even
	Concept #4	Even	Even	Even
	Concept #5	Even	Even	Even
	Concept #6	Even	Even	Even
	Concept #7	Even	Even	Even

Equity Score: **Impedes** equity: <40% | **Even** distribution: 40-60% | **Advances** equity: >60%

FINDINGS:

- 1. While no concept advances equity, most concepts provide benefits evenly to all population groups.
- 2. Companion policies would need to be considered to advance equity.



Crossings Benefit-Cost Ratios

Compares societal benefits against anticipated project costs

MODE	CROSSING	RISING TIDES, FALLING FORTUNES	CLEAN AND GREEN	BACK TO THE FUTURE
	Concept #1	•000	•000	•000
	Concept #2	•000	•000	$\bullet \bullet \bullet \bigcirc$
	Concept #3	•••	$\bullet \bullet \bullet \bigcirc$	$\bullet \bullet \bullet \bigcirc$
	Concept #4	•••	$\bullet \bullet \bullet \bigcirc$	•••
	Concept #5			•••
	Concept #6	•••		
	Concept #7			
Notes:			Color Range: < 0.5 0	0.5 - 0.9 1.0 - 1.9 > 1.9

Notes:

- Benefit-Cost ratios over the time period: 2025-2080
- Discount rate: 3%, Time to Implement: 10 years
- Costs include a residual value of investment at 2080

FINDINGS:

- 1. Crossings benefits do not substantiate costs in a lowgrowth future.
- 2. Auto only crossing concepts perform poorly relative to transit crossing concepts.
- 3. Concept 5 has a slightly higher B/C ratio than Concepts 3 & 4, tied to high housing and job growth development forecasted in the corridor.



Crossing Conclusions



- A. TRANSIT CROSSING CONCEPTS SHOULD BE ADVANCED FOR FURTHER ANALYSIS.
 - Opportunities to improve B/C ratios should be studied, e.g. land use and economic impacts. Auto-only Crossing concepts should not be advanced.
- B. Neither BART NOR CONVENTIONAL RAIL SIGNIFICANTLY OUTPERFORMED THE OTHER.

 This decision will require more detailed analysis of modal tradeoffs.



C. ALL FUTURE CROSSINGS ANALYSES MUST ASSESS DEVELOPMENT AND RIDERSHIP POTENTIAL.

More thorough analysis of development feasibility in station areas is needed in future Bay Crossings analyses.



D. THE REGION NEEDS TO WORK TOWARDS A NEW CROSSING BY DELIVERING SIGNIFICANT FOUNDATIONAL INFRASTRUCTURE IN PHASES.

There are planned and proposed transit investments that are vital to a Bay Crossing's success.



"If the Bay Area is to be preserved as a fine place to live and work, a regional rapid transit system is essential... A satisfactory solution to the Bay Area's traffic problem cannot be reached by building freeways alone. The solution can be reached only through a system of mass rapid transit developed on the premise of moving people-not automobiles."

—1957 RAIL PLAN FOR THE BAY AREA







Metropolitan Transportation Commission

Legislation Details (With Text)

File #: 19-1023 Version: 1 Name:

Type: Report Status: Informational

File created: 8/29/2019 In control: Regional Advisory Working Group

On agenda: 10/8/2019 Final action:

Title: Vital Signs: Economy Update

Summary of findings from recent updates to Vital Signs economy indicators.

Sponsors:

Indexes:

Code sections:

Attachments: 04 Vital Signs Economy Update Oct 2019.pdf

Date Ver. Action By Action Result

Subject:

Vital Signs: Economy Update

Summary of findings from recent updates to Vital Signs economy indicators.

Presenter:

Raleigh McCoy

Recommended Action:

Information

Attachments:

Metropolitan Transportation Commission and the Association of Bay Area Governments Regional Advisory Working Group

October 8, 2019 Agenda Item 4

Vital Signs: Economy Update

Subject: Summary of findings from recent updates to Vital Signs economy indicators.

Background:

The Vital Signs performance monitoring initiative was a key implementation action of *Plan Bay Area*, allowing residents to view and interact with data for 41 indicators across the themes of transportation, land & people, the economy, the environment, and equity. Data are available over time and across geographies, allowing users to view historical trends and compare conditions across Bay Area counties, cities, and even neighborhoods, depending on the geographic specificity of the data available. Since the site was launched in 2015, over 100,000 users have visited the Vital Signs website, with traffic increasing by over 25 percent between Fiscal Years 2018 and 2019.

In August and September 2019, updated data for eight of the nine economy indicators were published on the Vital Signs website. The ninth economy indicator, list rents, will be updated upon the identification of a replacement data source, as the data source previously analyzed on Vital Signs is now defunct.

Key Findings

The Bay Area economy is performing better than ever by a number of metrics. The latest data published on Vital Signs show historic highs for number of wage and salary jobs, per capita economic output, seaport traffic, and airport traffic. The Bay Area also hit a new low in unemployment rate. Not only did the region outperform its prior performance for these measures, but it also was the top performer among peer metro areas for unemployment and per capita economic output.

However, economic prosperity is not equally distributed along geographic or socioeconomic lines. While the region on the whole is experiencing a period of economic growth, not all counties or socioeconomic groups are benefitting equally. For example, the top 20 percent of earners in the region have seen their incomes grow four times faster than the bottom 20 percent, after adjusting for inflation. Disparities also exist along geographic lines, with Contra Costa and Solano counties seeing inflation-adjusted incomes decline between 2010 and 2017, while the rest of the region's counties saw incomes trending upward.

The Bay Area economy has diversified in the past decade. Economic output, or the value of goods and services produced by an economy, has historically been concentrated in the San Francisco Metropolitan Statistical Area (MSA), which includes San Francisco, San Mateo, Marin, Alameda and Contra Costa counties. However, between 2009 and 2017, the San Jose MSA, which includes San Jose and San Benito counties, has nearly doubled its economic output, reducing the concentration of economic activity that has existed within San Francisco and its immediate surroundings. The mix of industries in which Bay Area residents are employed has also been in flux, with information overtaking education and health services as the sector with the largest increase in jobs since 1990. Meanwhile, the manufacturing sector has reversed a decades-long trend of decline, adding just under 50,000 jobs between 2010 and 2017. The construction sector has also seen

growth following the end of the Great Recession, with employment numbers nearing pre-Recession levels.

Housing costs for renters and homebuyers are at historic highs. The median Bay Area home price was just under \$1 million in 2018, a new high for the region (after adjusting for inflation). Similarly, inflation-adjusted median rent payments were also at their highest point in 2017, with the median renter household paying \$1,800 per month. The Bay Area leads the nation's major metro areas in both median home price and median rent payments, with the gap between our region and its peers widening since 2010.

Issues: None

Next Steps: Staff are currently in the process of updating the Land & People indicators, and

expect to publish updated data on the Vital Signs website later in 2019.

Attachments: Attachment A: Presentation

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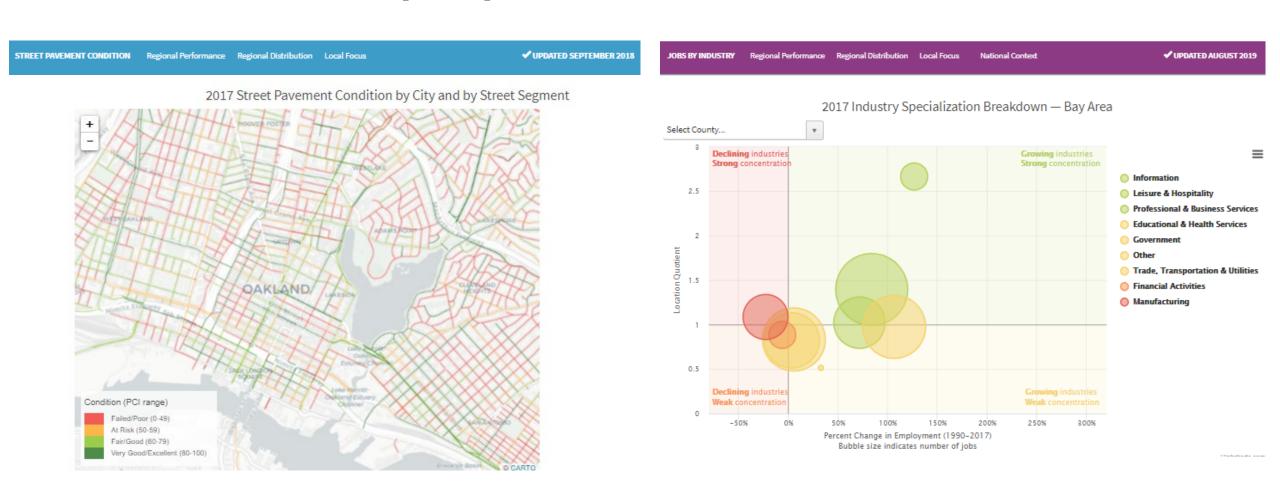


Vital Signs tracks 41 performance indicators to understand if the Bay Area is (or is not) making progress towards key regional goals.





The interactive Vital Signs website allows residents to explore trends at the regional, county, city, and even neighborhood levels.





Today we present updates to eight Vital Signs indicators, ranging from unemployment to home prices.







The Bay Area economy is performing better than ever by a number of metrics.

- 2
- However, economic prosperity is not equally distributed along geographic or socioeconomic lines.

3

The Bay Area economy has diversified in the past decade.



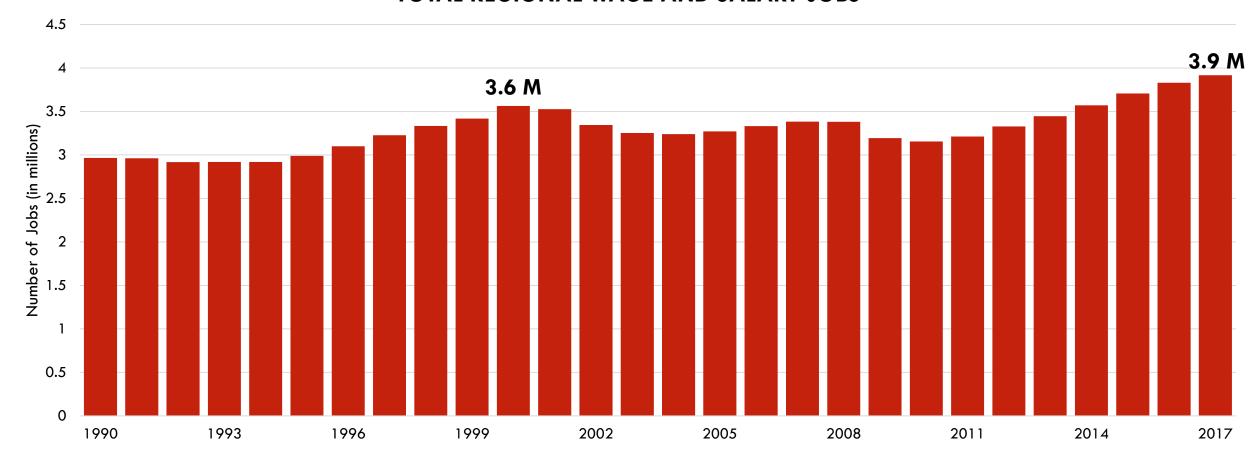
Housing costs for renters and homebuyers are at historic highs.





There are more jobs in the Bay Area than ever before.

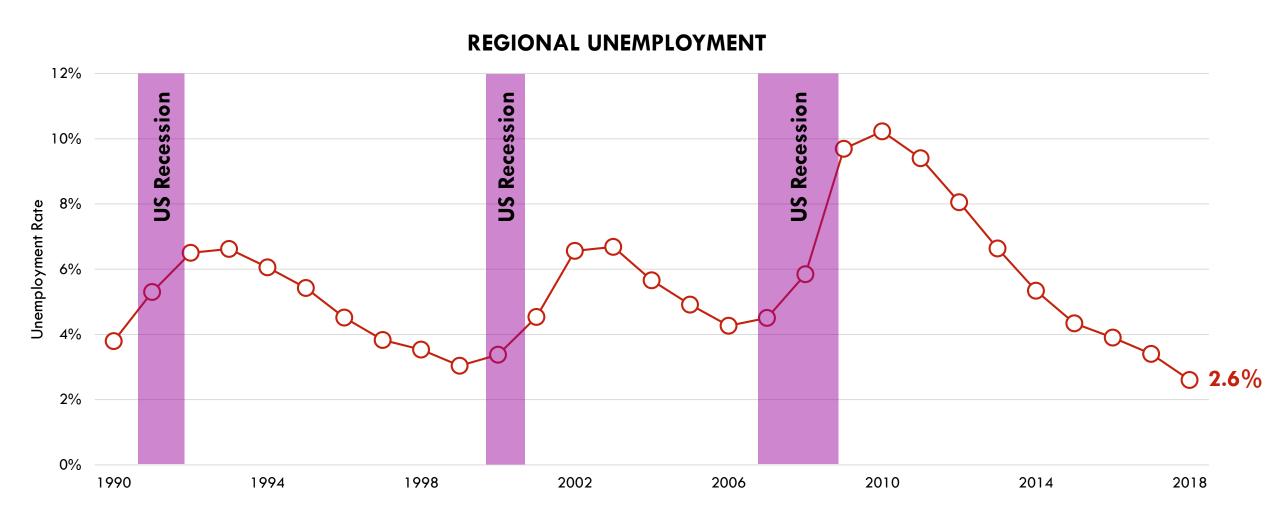
TOTAL REGIONAL WAGE AND SALARY JOBS







The Bay Area's unemployment rate is at a 30-year low.



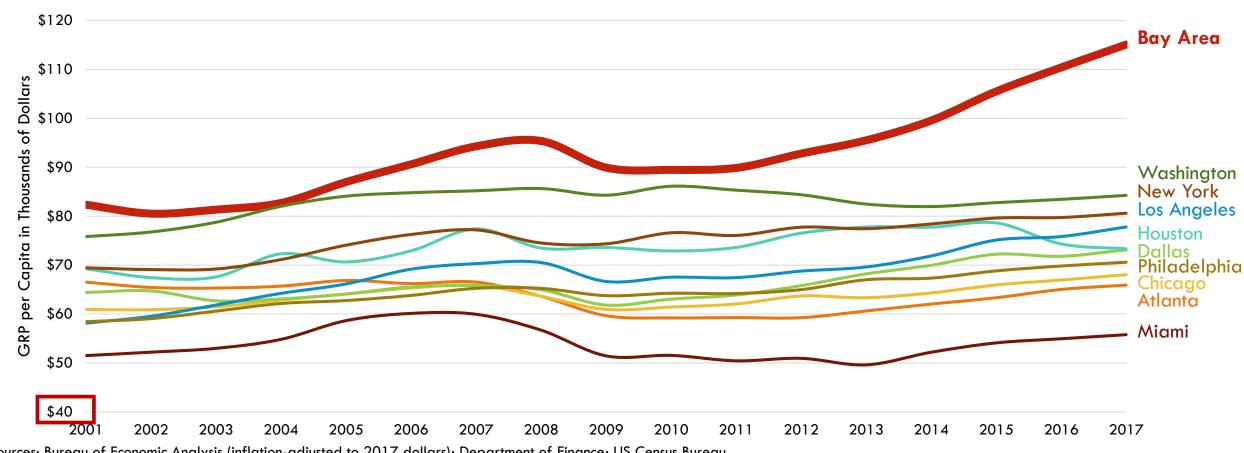




NATIONAL CONTEXT

The Bay Area has had the highest per capita GRP since 2001, with the gap widening each year since 2011.

GROSS REGIONAL PRODUCT PER CAPITA BY METRO AREA

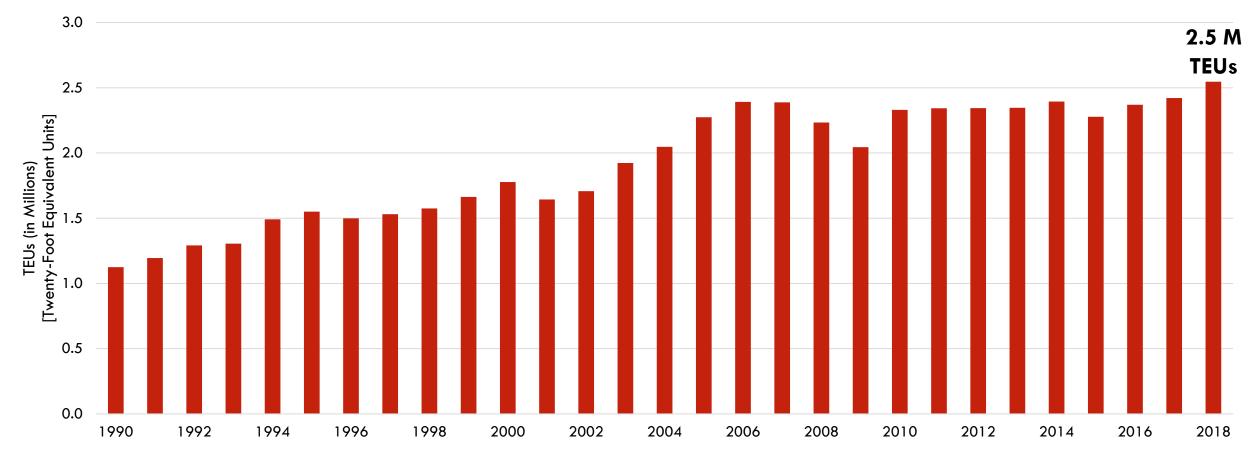






Port of Oakland's cargo activity is at an all-time high, with container flows twice what was seen in the early 1990s.

PORT OF OAKLAND CONTAINER FLOWS



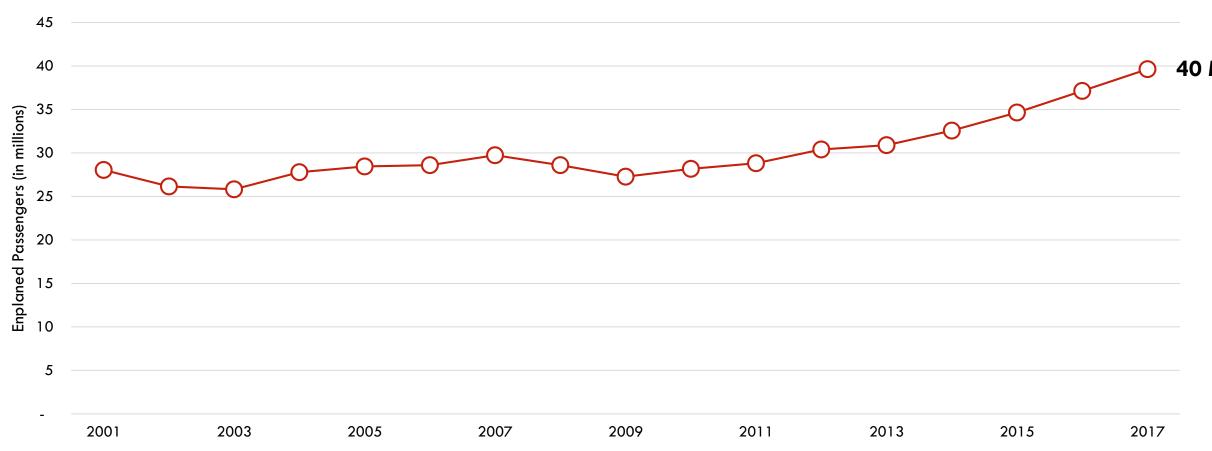
Source: Port of Oakland





More air passengers are using Bay Area airports than ever before.

REGIONAL AIR PASSENGER ENPLANEMENTS







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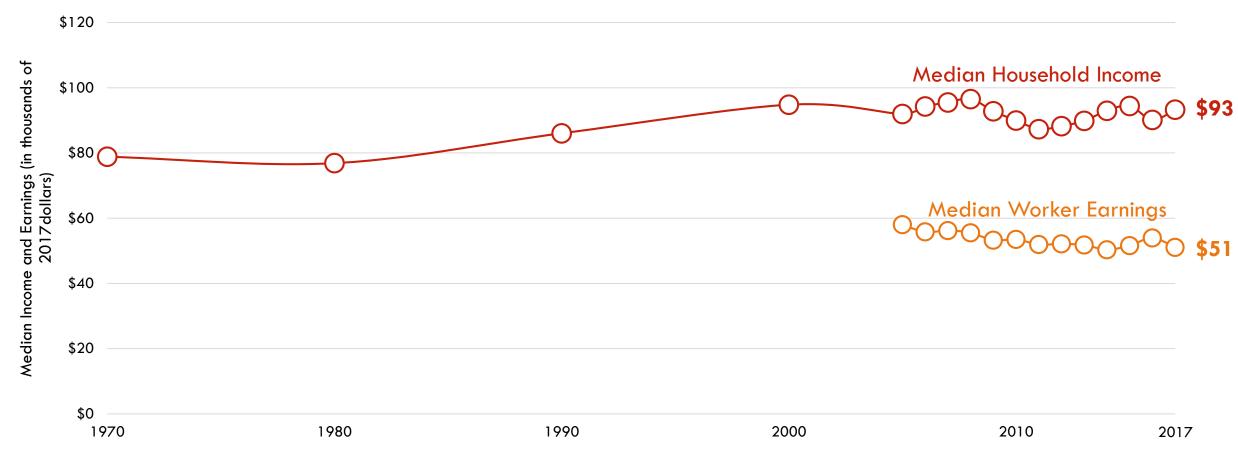
Housing costs for renters and homebuyers are at historic highs.





Median household income and worker earnings in the Bay Area have remained relatively constant since 2010.

REGIONAL MEDIAN INCOME AND EARNINGS

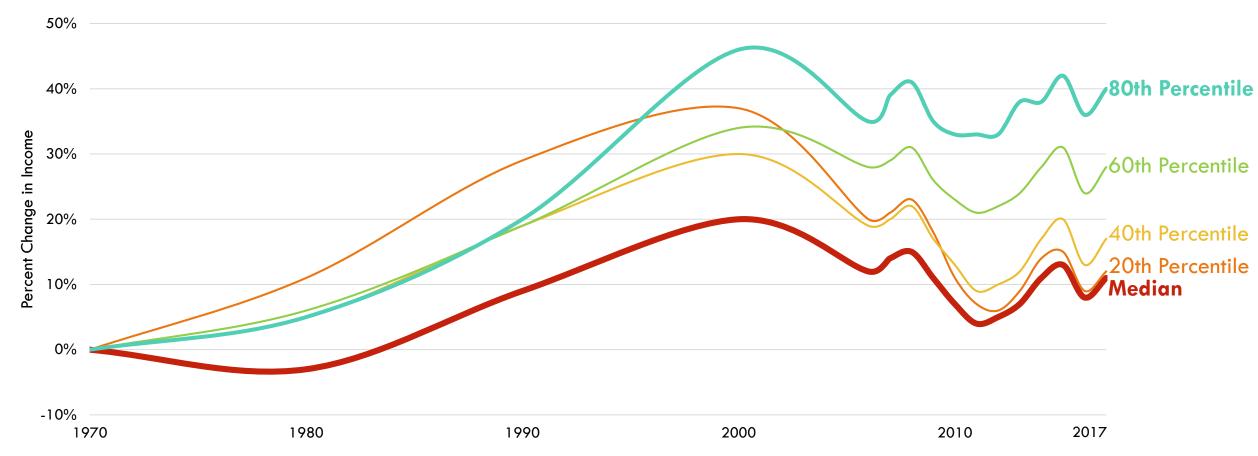






Higher-income households have seen their incomes grow four times faster than the regional median since 1970.

PERCENT CHANGE IN HOUSEHOLD INCOME SINCE 1970

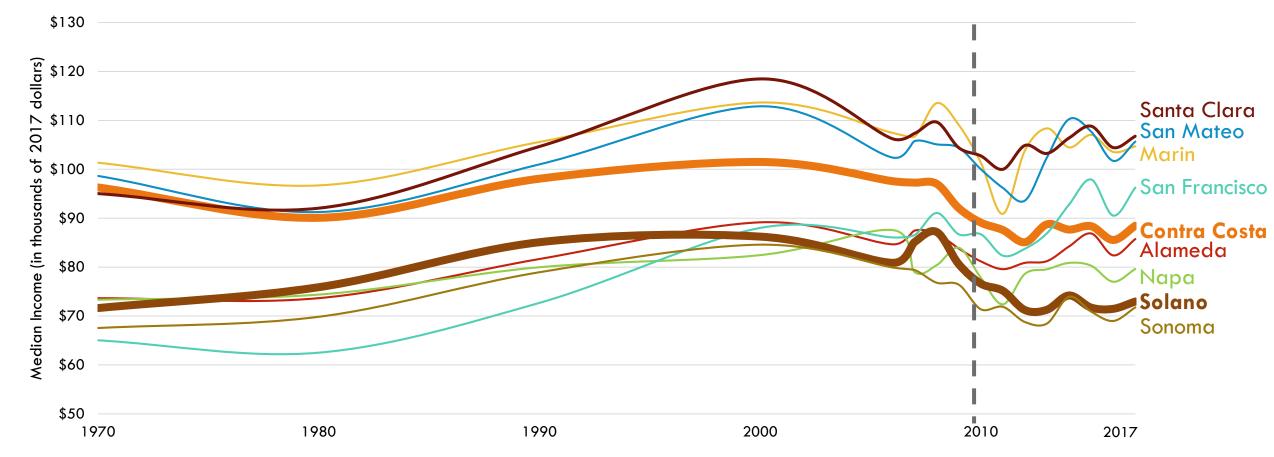






Since 2010, median household income risen in every county except Contra Costa and Solano.

MEDIAN HOUSEHOLD INCOME BY COUNTY

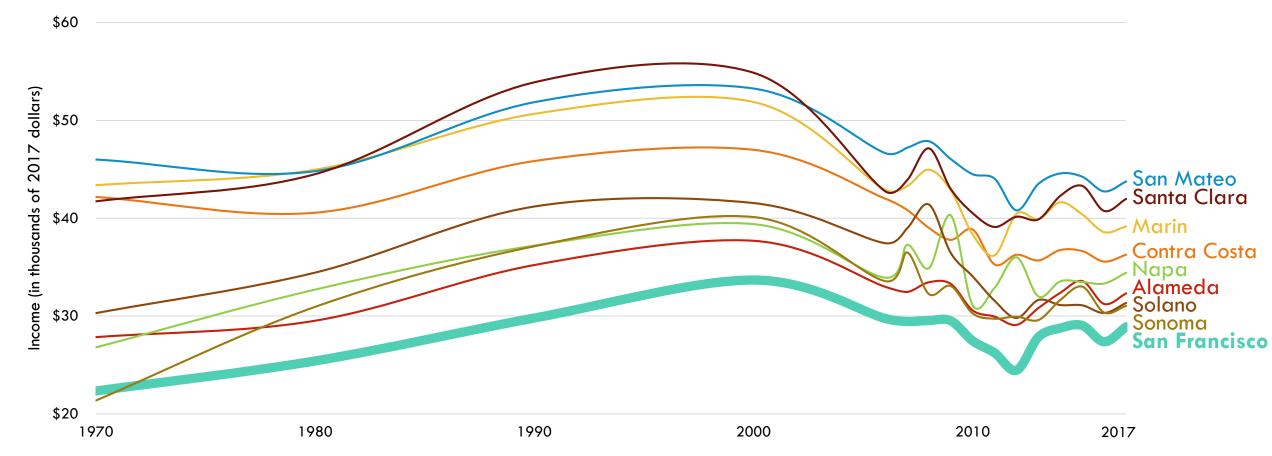






Despite having the fastest growing median household income, San Francisco has the lowest 20th percentile income.

20TH PERCENTILE HOUSEHOLD INCOME BY COUNTY



KEY FINDINGS - ECONOMY UPDATE



- The Bay Area economy is performing better than ever by a number of metrics.

2

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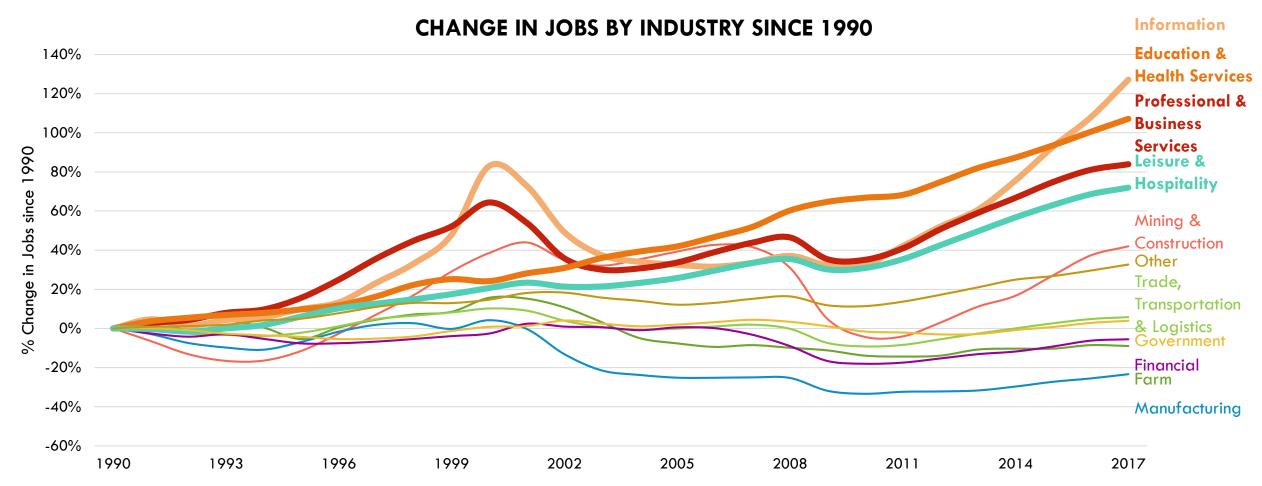
4

Housing costs for renters and homebuyers are at historic highs.





In recent years, the information industry surpassed servicebased industries as the fastest growing sector in the region.

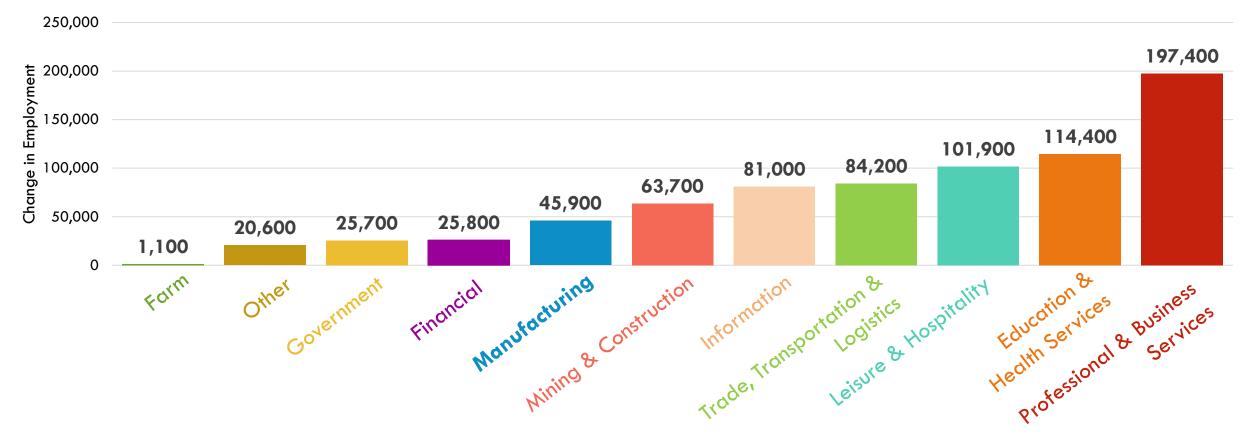






The manufacturing sector has reversed a decades-long trend of declining employment since 2010.

JOB GROWTH - 2010 to 2017

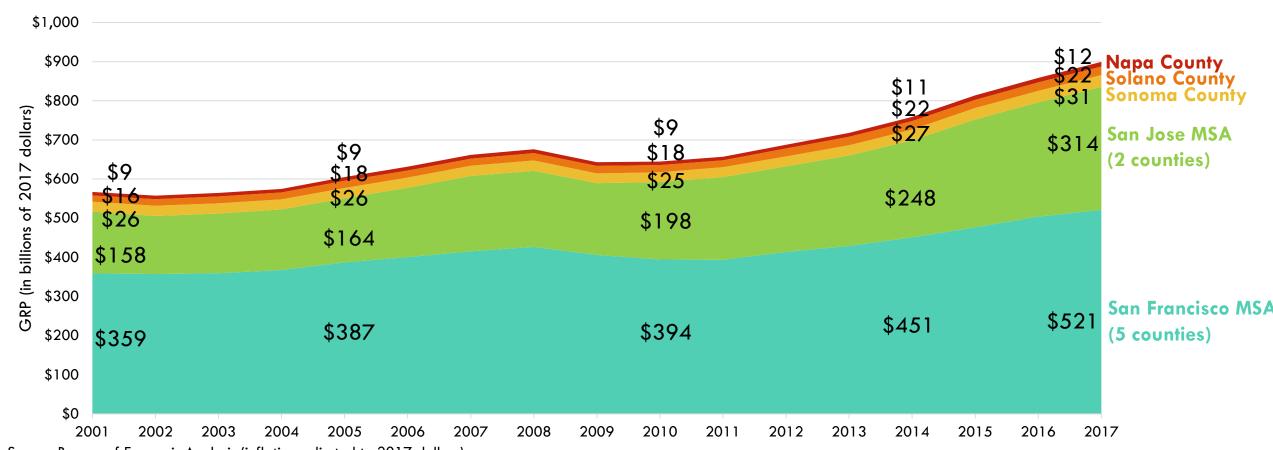






The North Bay contributes a small but stable fraction of the region's economic output.

GROSS REGIONAL PRODUCT BY SUB-REGION



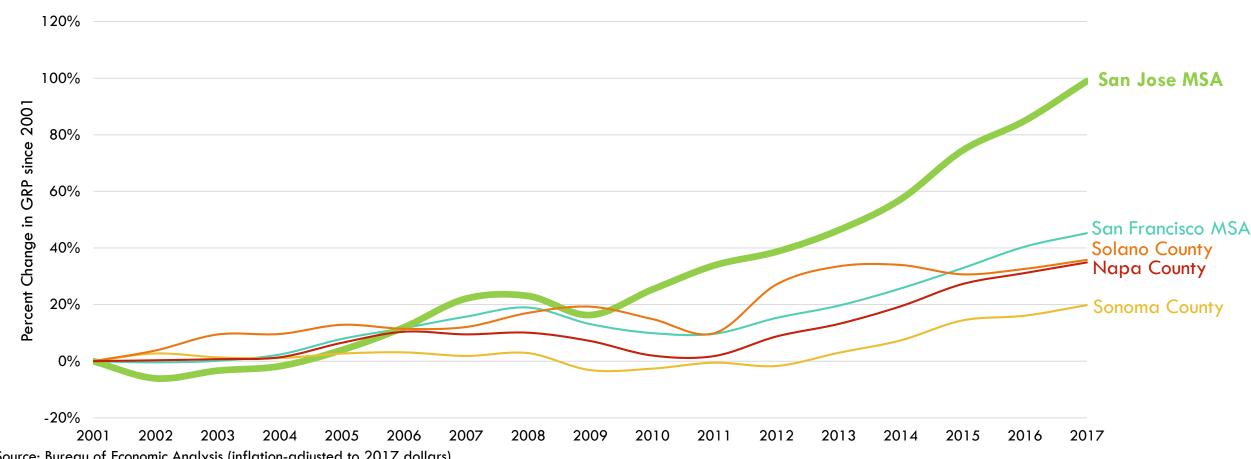
Source: Bureau of Economic Analysis (inflation-adjusted to 2017 dollars)





Silicon Valley's growth since 2009 has far outpaced growth in other sub-regions.

PERCENT CHANGE IN GROSS REGIONAL PRODUCT SINCE 2001



Source: Bureau of Economic Analysis (inflation-adjusted to 2017 dollars)

KEY FINDINGS - ECONOMY UPDATE



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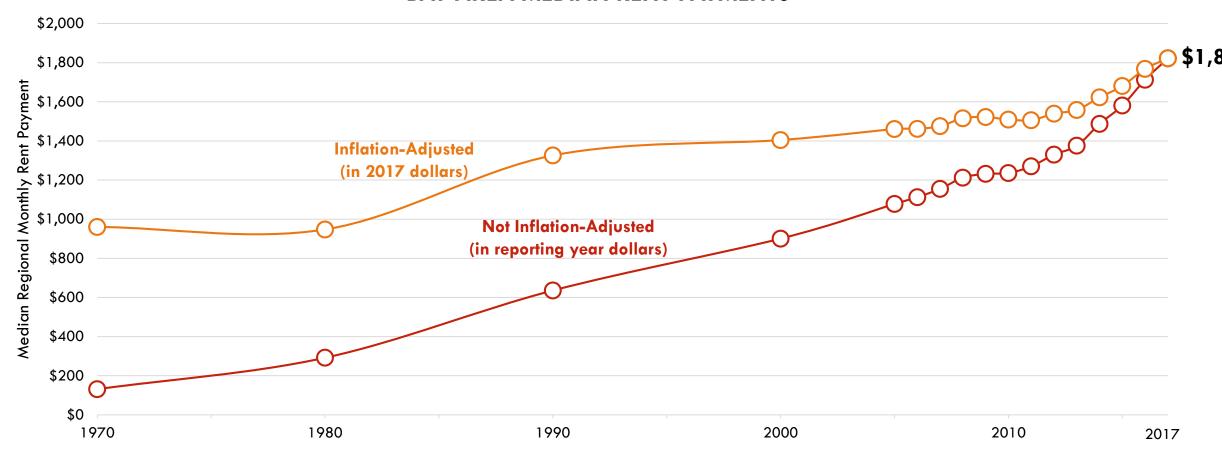
Housing costs for renters and homebuyers are at historic highs.





Rents have gone up since 1970, but this trend accelerated starting in 2013.

BAY AREA MEDIAN RENT PAYMENTS

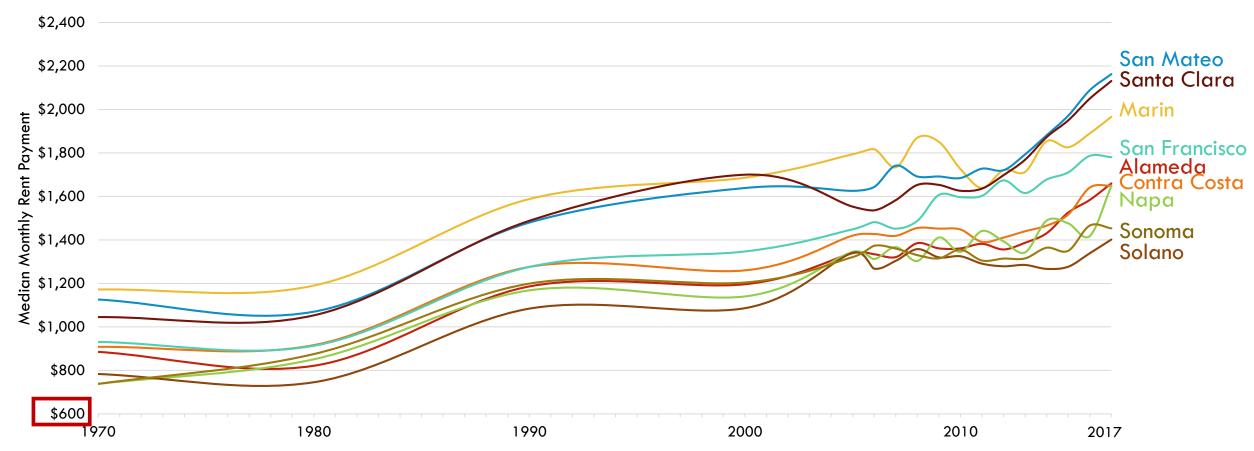






Rents have risen in every Bay Area county since 1970, with San Mateo and Santa Clara still by far the most expensive.

MEDIAN RENT PAYMENTS BY COUNTY

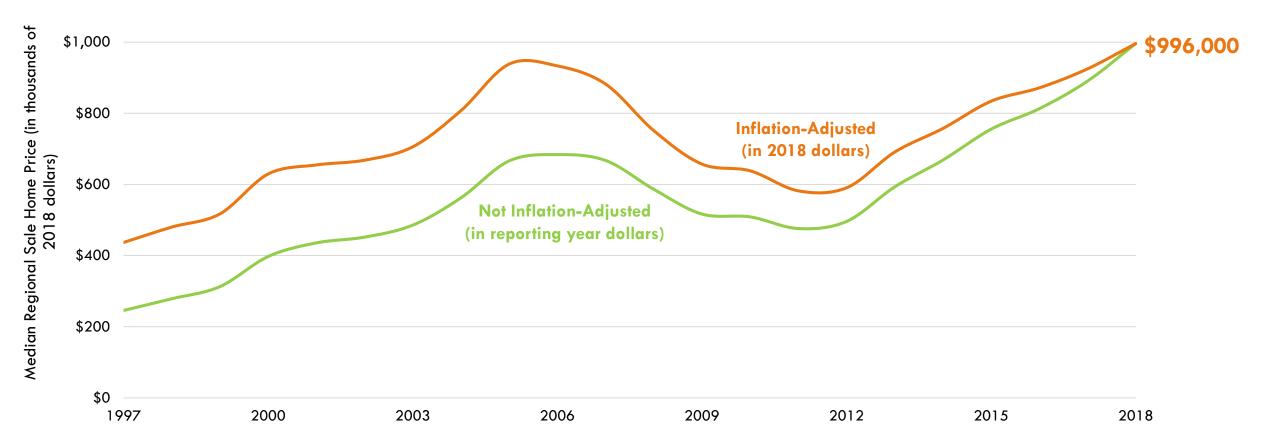






Bay Area home prices have risen and now exceed the pre-Recession peak.

REGIONAL MEDIAN HOME SALE PRICE

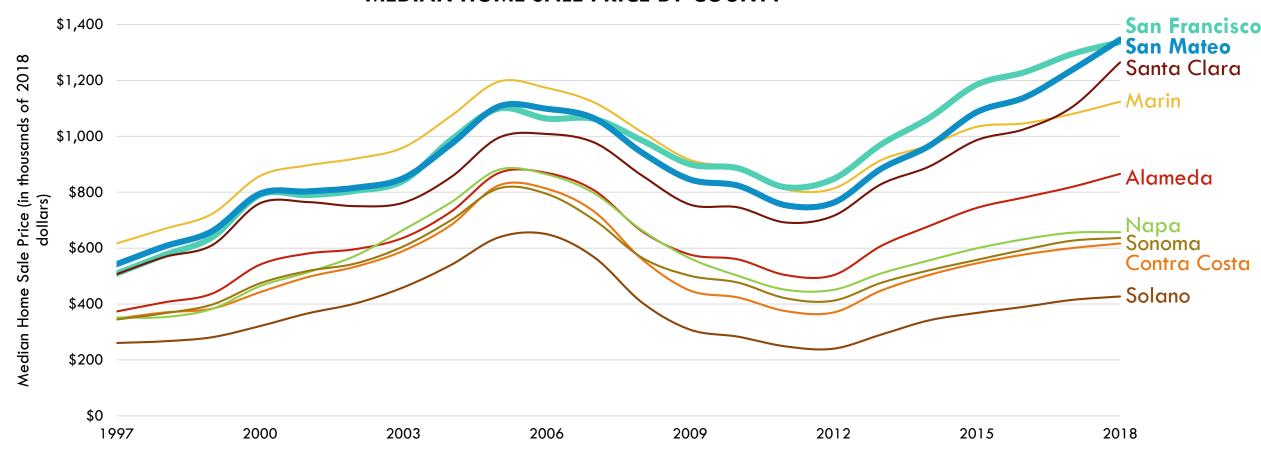






San Francisco and San Mateo counties are tied for the highest median home sale price at 1.3 million dollars.

MEDIAN HOME SALE PRICE BY COUNTY



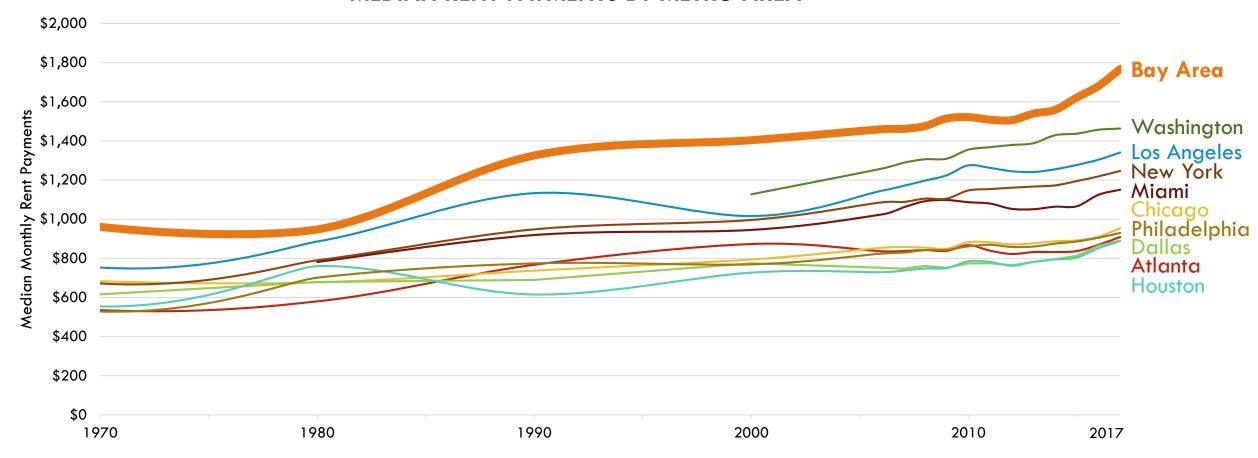




NATIONAL CONTEXT

Since 1970, the Bay Area has consistently had the highest rents of any major metro area.

MEDIAN RENT PAYMENTS BY METRO AREA



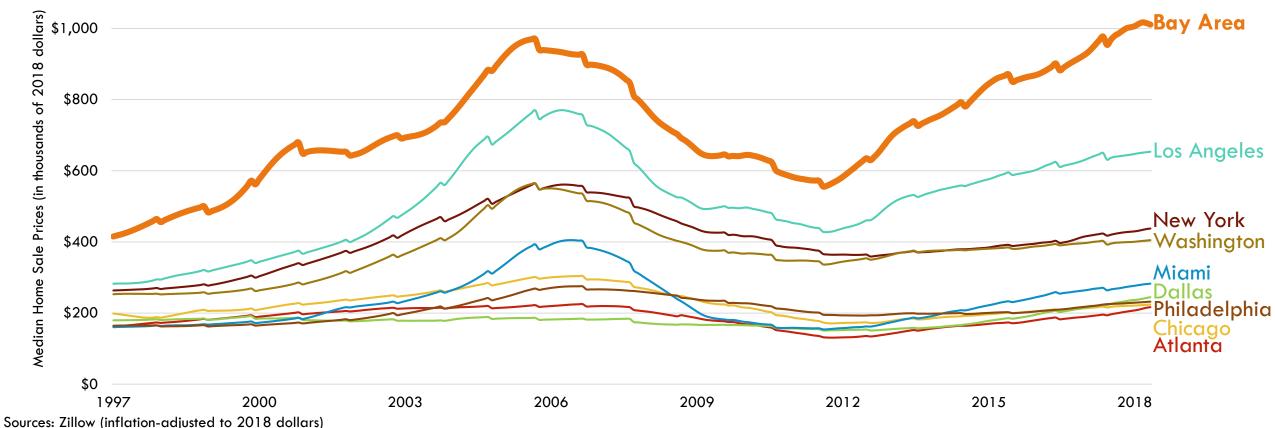




NATIONAL CONTEXT

Bay Area median home sales prices are more than three times higher than five other major metro areas.

MEDIAN HOME SALE PRICE BY METRO AREA



Note: No home price data available for Houston due to disclosure laws



QUESTIONS?

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