

# EQUITY AND PERFORMANCE OUTCOMES

Organized by the Plan Bay Area 2050 Guiding Principles, several metrics help answer two key questions per Guiding Principle. Icons indicate whether outcomes are favorable. Accompanying text sheds light on how Final Blueprint strategies and assumptions contribute to performance outcomes, and metrics highlight impacts on disadvantaged populations where feasible.

### **KEY DEFINITIONS IN METRICS**

**2015** Refers to simulated 2015 conditions, which were calibrated to closely match on-the-ground conditions.

**2050 Blueprint** Reflects simulated 2050 outcomes if population and job growth continue according to the Plan Bay Area 2050 Regional Growth Forecast and all 35 Final Blueprint strategies are implemented.

**Households with Low Incomes** Households with an annual income of less than \$45,000 in today's dollars; shown where feasible to parse out equity impacts.

**Communities of Concern (CoCs)** <u>Census tracts</u> with a significant concentration of underserved populations, including people of color and households with low incomes; updated using latest ACS data.

**High-Resource Areas** <u>State-designated areas</u> with access to well-resourced schools, open space, jobs and services.

**Transit-Rich Areas** State-designated areas within ½ mile of a rail station, ferry terminal, or frequent bus stop (every 15 minutes or better in peak periods).

**Priority Production Areas** Locally-identified industrial districts that support industries that are critical to the functioning of the Bay Area economy and are home to middle wage jobs.

## What are the Key Equity and Performance Outcomes of the Final Blueprint?

All dollar values shown as part of the Equity and Performance outcomes are in year 2020 dollars.

**OUTCOMES LEGEND** 

Moving in the Right Direction
Mixed Outcomes

Moving in the Wrong Direction

### 🕞 AFFORDABLE

#### WILL BAY AREA RESIDENTS SPEND LESS ON HOUSING AND TRANSPORTATION?

In 2015, households with low incomes had an extreme housing and transportation cost burden. Accounting for people with no incomes, people on financial assistance, and the currently unhoused, housing and transportation costs exceeded average incomes for households with low incomes. Strategies in the Final Blueprint geared toward housing production at all income levels, preservation of affordable housing, universal basic income and means-based fares and tolls are forecasted to make the region more affordable for all.

Transit fare integration significantly reduces average transit fares per trip by 2050, with greater reductions for households with low incomes due to the introduction of means-based fare discounts. Meanwhile, the average "out-of-pocket" cost per auto trip, which includes fuel, maintenance, parking and tolls, increases for all households in 2050. This increase is driven primarily by the introduction of parking fees and all-lane freeway tolling that are critical for curbing emissions and managing congestion. The impact on households with low incomes is mitigated through a means-based toll discount and reinvestment of revenues into historically disinvested communities.

FLIND LESS ON HOUSING AND TRANSFORTATION:							
HOUSING AND TRANSF AS SHARE OF	2015	2050 FINAL BLUEPRINT					
Housing and Transportation	Households with Low Incomes	113%	58%				
Thousing and mansportation	All Households	58%	45%				
Housing	Households with Low Incomes	68%	29%				
	All Households	33%	21%				
Toursettie	Households with Low Incomes	45%	29%				
Transportation	All Households	25%	24%				
TRANSPORT EXPENSES PER TRIP		2015	2050 FINAL BLUEPRINT				
Average Fare per Transit Trip	Households with Low Incomes	\$2.78	\$1.49				
Average Fare per transic trip	All Households	\$3.16	\$2.87				
Average "Out-of-Pocket" Cost per	Households with Low Incomes	\$1.39	\$2.37				
Auto Trip	All Households	\$1.57	\$2.73				
Average Parking Cost	Households with Low Incomes	\$0.37	\$1.11				
per Auto Trip	All Households	\$0.31	\$0.93				
	Households with Low Incomes	\$0.05	\$0.11				
Average Toll per Auto Trip	Households with Eow meetines		+				

#### WILL THE BAY AREA PRODUCE AND PRESERVE MORE AFFORDABLE HOUSING?

) ( t	The share of Bay Area homes that are permanently affordable	SHARE OF HOUSING THAT IS DEED-RESTRICTED AFFORDABLE	2015	2050 FINAL BLUEPRINT
	(i.e., deed-restricted) is significantly higher in 2050, driven by the reuse of public land for affordable housing, subsidies to	Region-Wide	4%	27%
	build new and acquire existing affordable homes, and minimum affordability requirements for major housing projects.	Communities of Concern	11%	39%
	and adding requirements for major housing projects.	High-Resource Areas	2%	24%
pe an to	35% of all new homes built between 2015 and 2050 are	incomes, with urce Areas due THAT IS DEED, DESTRICTED AEFORDABLE of Concern	Region-Wide	35%
	permanently affordable for households with low incomes, with an even greater share of these units in High-Resource Areas due to strategies that emphasize the need for affordable housing in			33%
	these locations.		42%	
	Along with acquisition of currently affordable homes, the affordable housing preservation strategy ensures that all existing deed-restricted affordable units at risk of conversion to market- rate units are converted to permanently affordable homes.	SHARE OF AT-RISK AFFORDABLE HOUSING PRESERVED AS PERMANENTLY AFFORDABLE	Region-Wide	100%

## What are the Key Equity and Performance Outcomes of the Final Blueprint?

### CONNECTED

#### WILL BAY AREA RESIDENTS BE ABLE TO ACCESS THEIR DESTINATIONS MORE EASILY?

The number of jobs accessible within a 30-minute drive increases by over 200,000 jobs between 2015 and 2050; however, the share of the region's jobs that can be accessed is forecasted to stay roughly similar, with marginally improved outcomes for Community of Concern residents. While the number of jobs accessible within a 45-minute transit trip remains lower than the number within a 30-minute drive, focused housing growth in Transit-Rich Areas and transit expansion strategies significantly improve the share of jobs accessible by transit. Biking and walking access also both increase slightly, mainly due to greater housing and commercial densities in growth areas. Overall, Community of Concern residents have greater job accessibility than the average Bay Area resident in 2015, with Final Blueprint strategies further advancing equitable outcomes.

Nearly half of all households, and over two-thirds of households with low incomes, live within a half-mile of highfrequency transit, including rail, ferry and frequent bus stops, in 2050. The Final Blueprint focuses new affordable housing development in Transit-Rich Areas, while also investing in transit service increases. Due to the more dispersed nature of job growth, the share of jobs near high-frequency transit remains relatively constant.

NUMBER AND SHARE OF ALL BAY AREA		2015			2050 FINAL BLUEPRINT	
JOBS TH	JOBS THAT ARE ACCESSIBLE BY		Share of Jobs	Numbe of Job	0.1.0.1.0	
Auto (20 min)	Communities of Concern Residents	741,000	19.2%	1,060,0	00 19.6%	
Auto (30 min)	All Residents	687,000	17.8%	930,00	0 17.2%	
Transit (45 min)	Communities of Concern Residents	201,000	5.2%	427,00	0 7.9%	
(access by walk)	All Residents	131,000	3.1%	276,00	0 5.1%	
	Communities of Concern Residents	112,000	2.9%	184,00	0 3.4%	
Bike (20 min)	All Residents	89,000	2.3%	146,00	0 2.7%	
W-ll- (20	Communities of Concern Residents	12,000	0.3%	22,000	0.4%	
Walk (20 min)	All Residents	8,000	0.2%	11,000	0.2%	
	IARE OF HOUSEHOLDS AND JOBS HIN 1/2 MILE OF FREQUENT TRANSI	г	:	2015	2050 FINAL BLUEPRINT	
Households	Households with Low	Households with Low Incomes		42%	71%	
Households	All Households	All Households		33% 46		
Jobs	All Jobs			49% 51%		
2002	Retail Jobs	Retail Jobs		45% 50%		

#### WILL BAY AREA RESIDENTS HAVE A TRANSPORTATION SYSTEM THEY CAN RELY ON?

	FREEWAY CORRID	2015	2050 FINAL BLUEPRINT	
		Oakland-San Francisco	30	31
		Vallejo-San Francisco	57	58
Given a 35% increase in population by 2050, increases in freeway	Most of	Antioch-San Francisco	75	79
travel times are inevitable in the absence of new measures. Final Blueprint strategies such as per-mile tolling on key freeway	<b>Route Features</b>	Antioch-Oakland	47	50
corridors and other transportation demand management strategies, along with focused housing growth in key growth	All-Lane Tolling	San Jose-San Francisco	64	68
geographies, help maintain travel times near existing levels, even		Oakland-San Jose	56	56
as lower speed limits reduce free-flow travel times.		Oakland-Palo Alto	54	56
		Fairfield-Dublin	48	50
	Partial or No Tolling on Route	Livermore-San Jose	48	62
		Santa Rosa-San Francisco	69	75
	PERCENT SPEN	2015	2050 FINAL BLUEPRINT	
With a smulation growth and the full with of Final Diversity	g Local Transit	Muni Bus	20%	28%
With population growth and the full suite of Final Blueprint strategies, transit boardings nearly triple by 2050. While		AC Transit Local Bus	0%	31%
increased ridership supports critical climate goals, overcrowding on transit vehicles, which risks denial of boardings, is		Muni Light Rail	32%	22%
anticipated to rise. Final Blueprint strategies that optimize and		VTA Light Rail	0%	33%
expand transit service help maintain crowding levels close to existing conditions for some operators, but the transit service		AC Transit Transbay Bus	47%	32%
improvements are insufficient to fully manage overcrowding in the long term. Operators not listed do not have overcrowding		Golden Gate Express Bus	30%	72%
challenges in 2050.	<b>Regional Transit</b>	BART	19%	18%
		Caltrain	8%	46%
		WETA Ferry	14%	9%
In 2015, 30% of all transit vehicles had exceeded their federally recommended lifespans. As the Final Blueprint only includes	SHARE OF TRANSIT ASSETS PAST THEIR USEFUL LIFE BENCHMARK		2015	2050 FINAL BLUEPRINT
sufficient maintenance funding to retain existing conditions, this	Vehicle Assets		30%	30%
metric remains mostly unchanged through 2050.	Non-Vehicle Assets		18%	18%



PLAN BAY AREA 2050

### What are the Key Equity and Performance Outcomes of the Final Blueprint?

### ိ<sup>ြိ</sup>ဂ္ဂ<sup>ြီ</sup> DIVERSE

#### WILL BAY AREA COMMUNITIES BE MORE INCLUSIVE?

SHARE OF HOUSEHOLDS THAT ARE HOUSEHOLDS WITH LOW INCOMES The share of households with low incomes increases in BLUEPRINT Transit-Rich and High-Resource Areas. Further, the same share decreases in Communities of Concern. Together, these trends **Region-Wide** 26% 28% suggest lower concentrations of poverty or affluence, and more mixed-income communities in 2050. Focused production Transit-Rich and High-Resource Areas 24% 36% and preservation of affordable housing in High-Resource Areas increases access to places of greatest opportunity for **Transit-Rich Areas** 32% 39% households with low incomes, helping reverse historically exclusionary policies in many of these communities. 24% **High-Resource Areas** 20% NOTE: The positive effects of the Universal Basic Income strategy in reducing income inequality and decreasing the share of households with low incomes were omitted from the calculation to have a clearer understanding of the trends. **Communities of Concern** 43% 41% The Final Blueprint enables intergenerational wealth-building BLUEPRINT HOME OWNERSHIP RATE opportunities with strategies that support nearly 100,000 FOR HOUSEHOLDS WITH LOW INCOMES households with low incomes to own their first home. 37% 47% WILL BAY AREA RESIDENTS BE ABLE TO STAY IN PLACE? SHARE OF NEIGHBORHOODS (TRACTS) THAT EXPERIENCE DISPLACEMENT AND GENTRIFICATION BETWEEN 2015 AND 2050 Region-wide, the share of neighborhoods that experience a net loss in the number of households with low incomes between 2015 and 2050 is 48%. This metric is mainly driven by households with low incomes relocating to growth geographies All Neighborhoods 48% neighborhoods near frequent transit and/or in high-resource 53% (total 1579 neighborhoods) areas - where much of the new affordable housing is being developed under Final Blueprint strategies. Growth geographies Communities of Concern also experience some displacement, but analysis indicates **Region-Wide** 40% 49% (total 339 neighborhoods) that much of this displacement is actually households with low incomes relocating between these neighborhoods, rather High Displacement Risk Tracts 37% 44% than being displaced to neighborhoods that lack quality transit (total 850 neighborhoods) or access to opportunity. Furthermore, the displacement risk metric does not fully capture the positive impact of **Growth Geographies** 28% 17% protection policies at the local level, which could further reduce (total 492 neighborhoods) displacement risk and prevent homelessness. NOTE: Displacement is defined as a net loss in number of households with low Within **High-Resource Areas** 17% 19% incomes in the neighborhood (tract) between 2015 and 2050. Gentrification is **Growth Geographies** (total 199 neighborhoods) defined as a drop of over 10% in the share of households with low incomes. The positive effects of the Universal Basic Income strategy in reducing income inequality Transit-Rich Areas and decreasing the share of households with low incomes were omitted from the 9% 11% calculation to have a clearer understanding of displacement trends. (total 344 neighborhoods) D HEALTHY WILL BAY AREA RESIDENTS BE HEALTHIER AND SAFER? Communities of Concern 100% Sea Level Rise (2ft) All Households 98% With Final Blueprint strategies in place, 98% of all Bay Area PERCENT OF HOUSEHOLDS IN RISK-PRONE AREAS/BUILDINGS THAT ARE households that would be affected by two feet of sea level rise Communities of Concern 100% are protected. All common seismically deficient housing types Earthquake All Households 100% and homes built in high wildfire-risk zones are retrofitted to PROTECTED/RETROFIT reduce the likelihood of damage in future earthquakes and wildfires. Retrofit strategies are expected to reduce the risk of

The rate of fatalities and injuries decreases in 2050 with reduced speed limits and enhanced street design under the Vision Zero strategy, but it remains far from zero incidents. Additional education and enforcement actions would be required to make further headway toward this important goal.

damage from earthquakes or wildfire by 25 to 50%.

Despite increases in population and total miles driven, fine particulate matter emissions (PM2.5) are forecasted to be lower than 2015 levels, driven by cleaner and more fuel-efficient vehicles.

Bay Area residents have increased access to recreation opportunities, thanks to Final Blueprint strategies to protect natural lands and invest in parks and trail facilities. Prioritized investments in Communities of Concern help close the gap in park access in historically disinvested communities.

Wildfire Hig		e High / Communities	s of Concern	100%	
	Medium Risk	All Hous	eholds	100%	
REDUCTION IN BUILDING RISK E EARTHQUAKE O	25 to 50%				
ANNUAL INCIDENTS PER ONE HUN	2015	2050 FINAL BLUEPRINT			
Fataliti	6.0	4.9			
Injurie	26.0	22.7			
DAILY PM2.5 EMIS	5.5	4.4			
PARKS AND TRAILS PER THOUSAND RESIDENTS					
PARKS AND TRAILS PER TI	HOUSAND RESIDEN	TS	2015	2050 FINAL BLUEPRINT	
		TS ities of Concern	<b>2015</b> 1.4		
PARKS AND TRAILS PER TI Urban Park Acres	Communi			BLUEPRINT	
	Communi	ities of Concern	1.4	BLUEPRINT 2.3	
Urban Park Acres	Communi Reg	ities of Concern ion-Wide	1.4	BLUEPRINT       2.3       2.1	

## What are the Key Equity and Performance Outcomes of the Final Blueprint?

## WILL THE ENVIRONMENT OF THE BAY AREA BE HEALTHIER AND SAFER?

Greenhouse gas emission levels per capita are forecasted to drop by 22% in 2035 relative to 2005 levels, meeting the		DAILY CO2 EMISSIONS PER CAPITA, RELATIVE TO 2005	2015	2035 FINAL BLUEPRINT	2050 FINAL BLUEPRINT
7	state-mandated target of 19% for the region. This is driven by strategies across all four elements of the plan (transportation, housing, economy and environment) primarily by allowance of increased housing and commercial densities in growth geographies, transportation demand management strategies including parking and tolling fees, and significant investment in clean vehicle initiatives. The projected decrease in emissions is even greater when the metric accounts for all vehicle types and future state-imposed restrictions on fuel efficiencies.	Cars and Light-Duty Trucks (SB 375)	-1%	-22%	-20%
		All Vehicles (Including Fuel Efficiency Gains)	-7%	-48%	-52%
		COMMUTE MODE SHARE		2015	2050 FINAL BLUEPRINT
	With more efficient land use patterns, tolling and parking fee strategies, sustainable commute targets for major employers, and increased investment in active and shared modes, the commute mode share of single-occupancy auto travel drops from 51% in 2015 to 36% in 2050, thanks to more people choosing	Auto: Single Occupancy	51%	36%	
		Auto: Other	20%	17%	
		Transit	13%	20%	
	transit, telecommuting, walking and bicycling.	Active Modes (Bike/Walk)	5%	10%	
		Telecommute		10%	17%
	Retrofit strategies for making the Bay Area's existing	EXISTING RESIDENTIAL BUILDING STOCK	TO 2015	2050 FINAL BLUEPRINT	
	residential building stock more resource-efficient contribute	CO <sub>2</sub> Emissions			-16%
	to significant reductions in the region's carbon footprint as well as water consumption.	Energy Consum	Consumption		-16%
		Water Consumption			-8%
		-1			

## 

### WILL JOBS AND HOUSING IN THE BAY AREA BE MORE EVENLY DISTRIBUTED?

JOBS-HOUSING

The region-wide jobs-to-housing ratio decreases from 1.50 to 1.34 by 2050, reflecting a higher ratio of housing to job
production to accommodate pent-up demand for housing.
Final Blueprint strategies that enable more housing in job-rich
areas, such as allowances for increased densities in growth
geographies and accelerated reuse of public land, were
particularly successful in the West and South Bay, bringing
the ratio closer to the region-wide average in San Francisco,
San Mateo and Santa Clara counties. Meanwhile, encouraging
job growth in housing-rich areas continues to be a challenge.
Incentives to encourage employers to shift jobs to housing-rich
areas bring the ratio closer to the region-wide average in Napa
and Solano counties, while Contra Costa and the other North
Bay counties continue to have more housing than jobs.

The mean commute distance for all workers decreases slightly, further highlighting the impact of a more balanced distribution of jobs and housing.

RATIO	2015	BLUEPRINT	RATIO	2015	BLUEPRINT		
Region-Wide	1.50	1.34	San Francisco	1.86	1.59		
Alameda	1.57	1.40	San Mateo	1.48	1.29		
Contra Costa	1.05	0.97	Santa Clara	1.77	1.50		
Marin	1.24	0.79	Solano	0.93	1.14		
Napa	1.42	1.56	Sonoma	1.18	1.14		
MEA	N ONE-WAY COM	2015	2050 FINAL BLUEPRINT				
	Workers wit	9.5	9.0				
	All W	12.0	11.5				

2050 FINAL

JOBS-HOUSING

# WILL THE BAY AREA ECONOMY THRIVE?

	The region's economic recovery is expected to be robust through 2050, with a real growth of 66% between 2015 and 2050, even when accounting for the inclusion of significant	GROSS REGIONAL PRODUCT		2015	2050 FINAL BLUEPRINT
7	new regional tax measures to fund transit expansion projects, affordable housing, universal basic income, sea level rise mitigations, and more.	PER CAPITA (2020 DOLLARS)		\$107,000	\$178,000
	The long-term growth in number of jobs in high-wage industries continues to outpace overall job growth region-wide. Meanwhile, jobs in middle-wage industries keep pace, with some of that growth occurring in newly designated Priority		All Jobs		35%
			Low-Wage Industries		30%
7		ed Priority (FROM 2015 TO 2050)		Middle-Wage Industries	
	Production Areas. Universal basic income programs also help to reduce income inequality for those continuing to work in		High-Wage In	dustries	40%
	lower-wage occupations.		Priority Produc	tion Areas	83%



 $\overline{\phantom{a}}$ 

 $\mathbf{Z}$ 

2050 FINAL