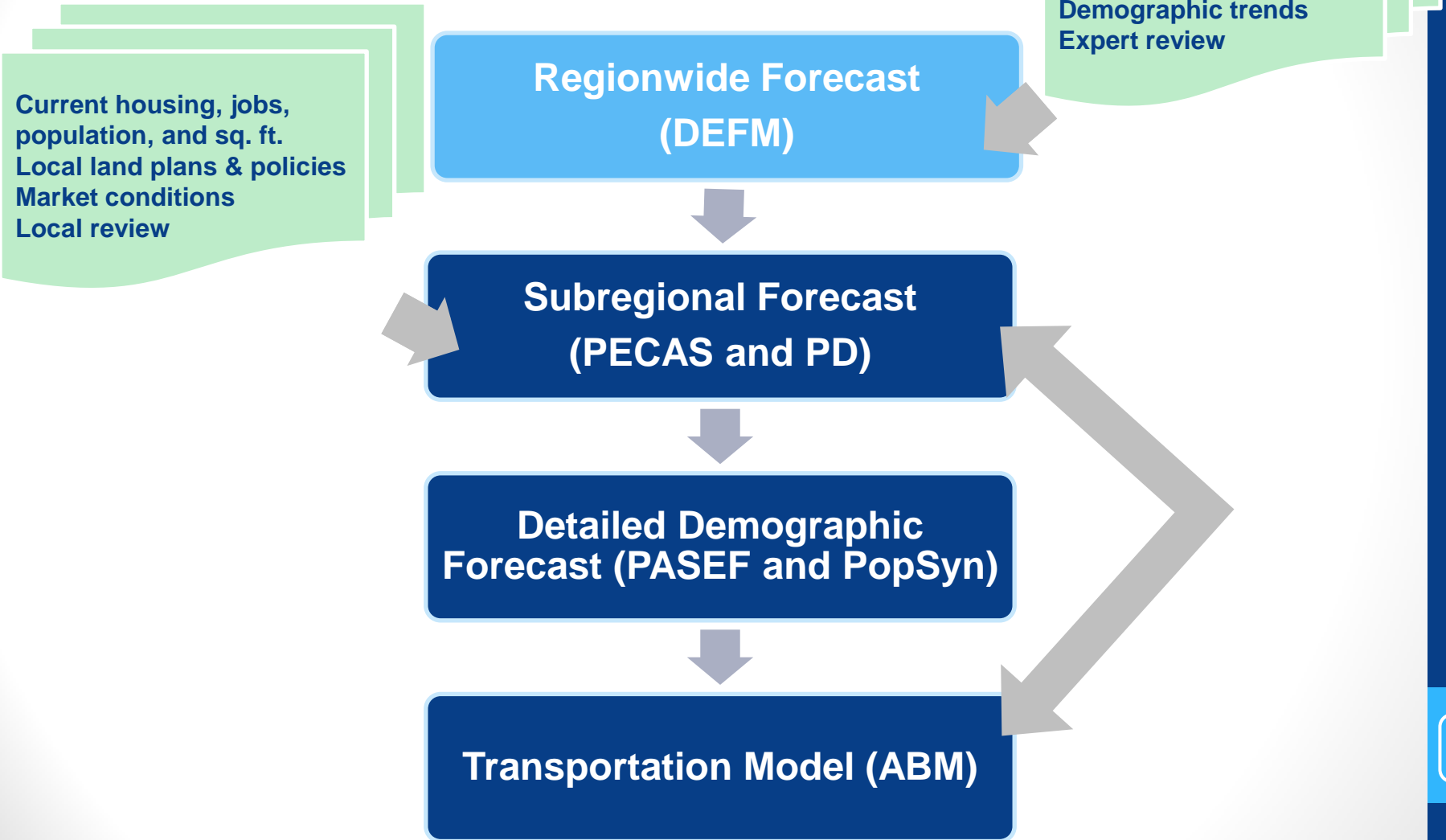# Series 13
Regional Growth Forecast

March 8, 2013
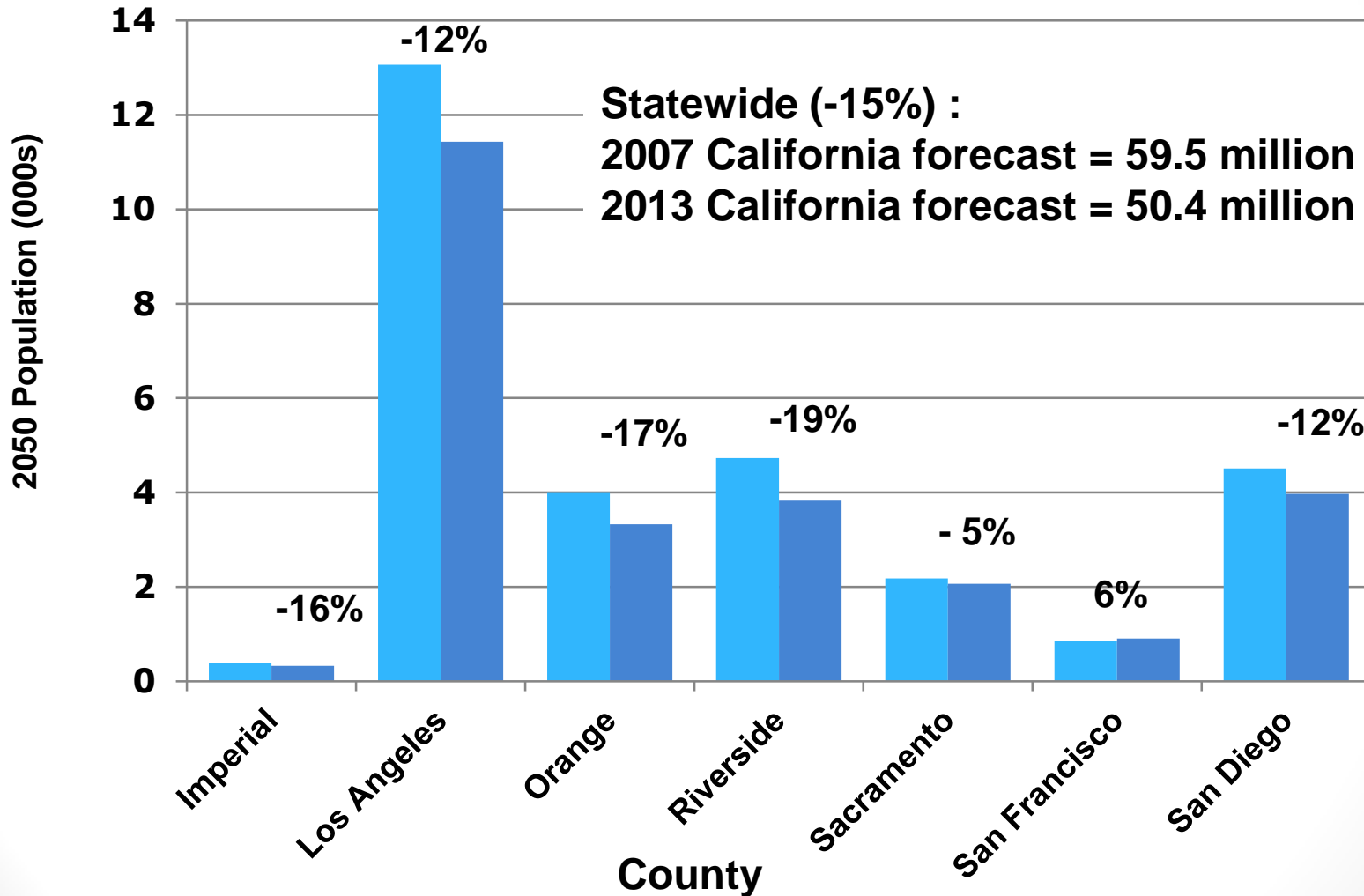
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Agenda

- Forecast overview and model structure
- Key assumptions
  - Demographic factors
  - Economic trends

Forecast process and new models

**Historical data**
Current demographics
National forecast
Demographic trends
Expert review

Current housing, jobs, population, and sq. ft.
Local land plans & policies
Market conditions
Local review

Regionwide Forecast (DEFM)

Subregional Forecast (PECAS and PD)

Detailed Demographic Forecast (PASEF and PopSyn)

Transportation Model (ABM)

2050 California Projections

Statewide (-15%) :
2007 California forecast = 59.5 million
2013 California forecast = 50.4 million

2050 Population (000s) (y-axis)

County (x-axis)

Bar labels: Imperial -16%, Los Angeles -12%, Orange -17%, Riverside -19%, Sacramento -5%, San Francisco 6%, San Diego -12%

Legend: ■ 2007 CA DOF forecast   ■ 2013 CA DOF forecast

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4

2050 California Growth By County

- San Joaquin Valley: 25 percent of new growth

- Nearly 50 percent of new growth in Southern California

 - 6 percent of new growth in San Diego
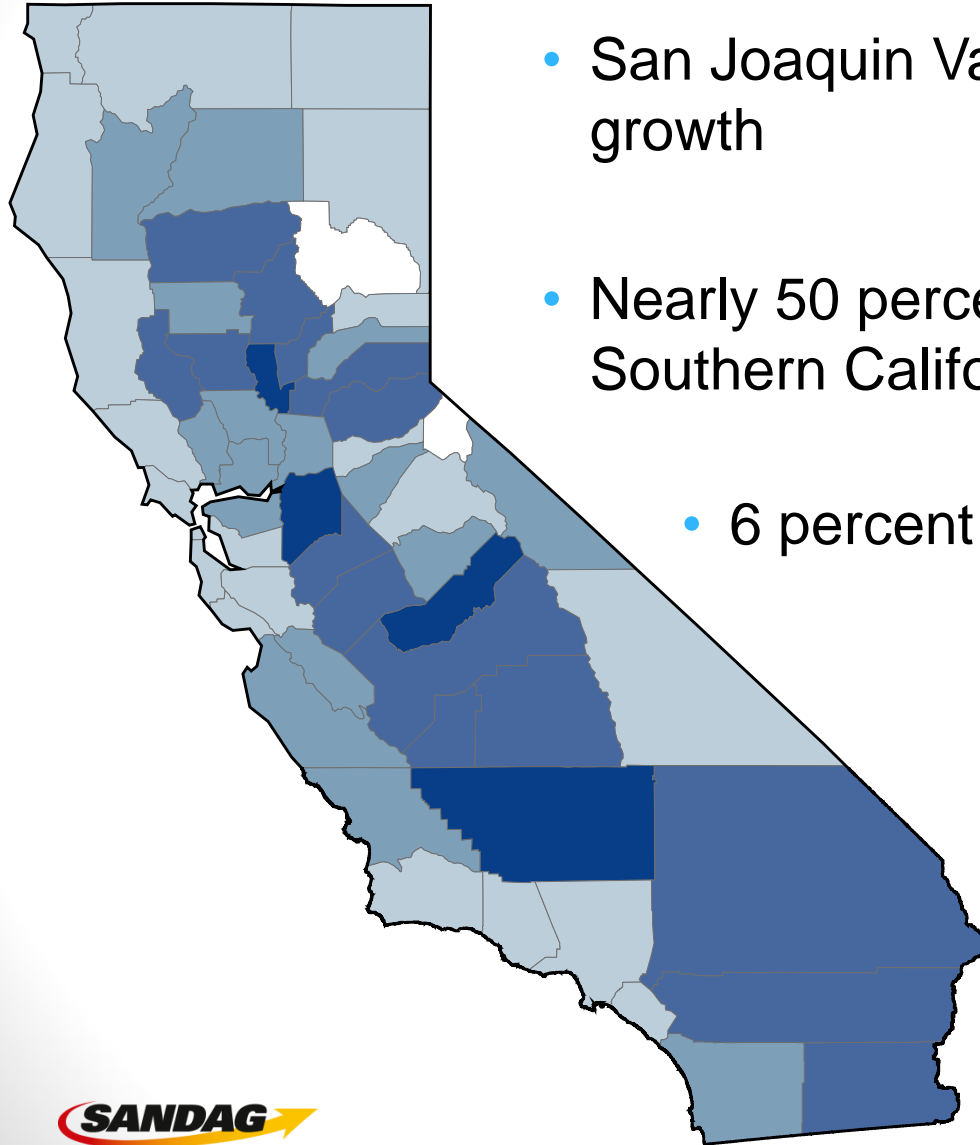
Change in Total Population: 2010 - 2050

- **Declining Population**
- **Less Than 25 Percent**
- **25 Percent to 50 Percent**
- **50 Percent to 100 Percent**
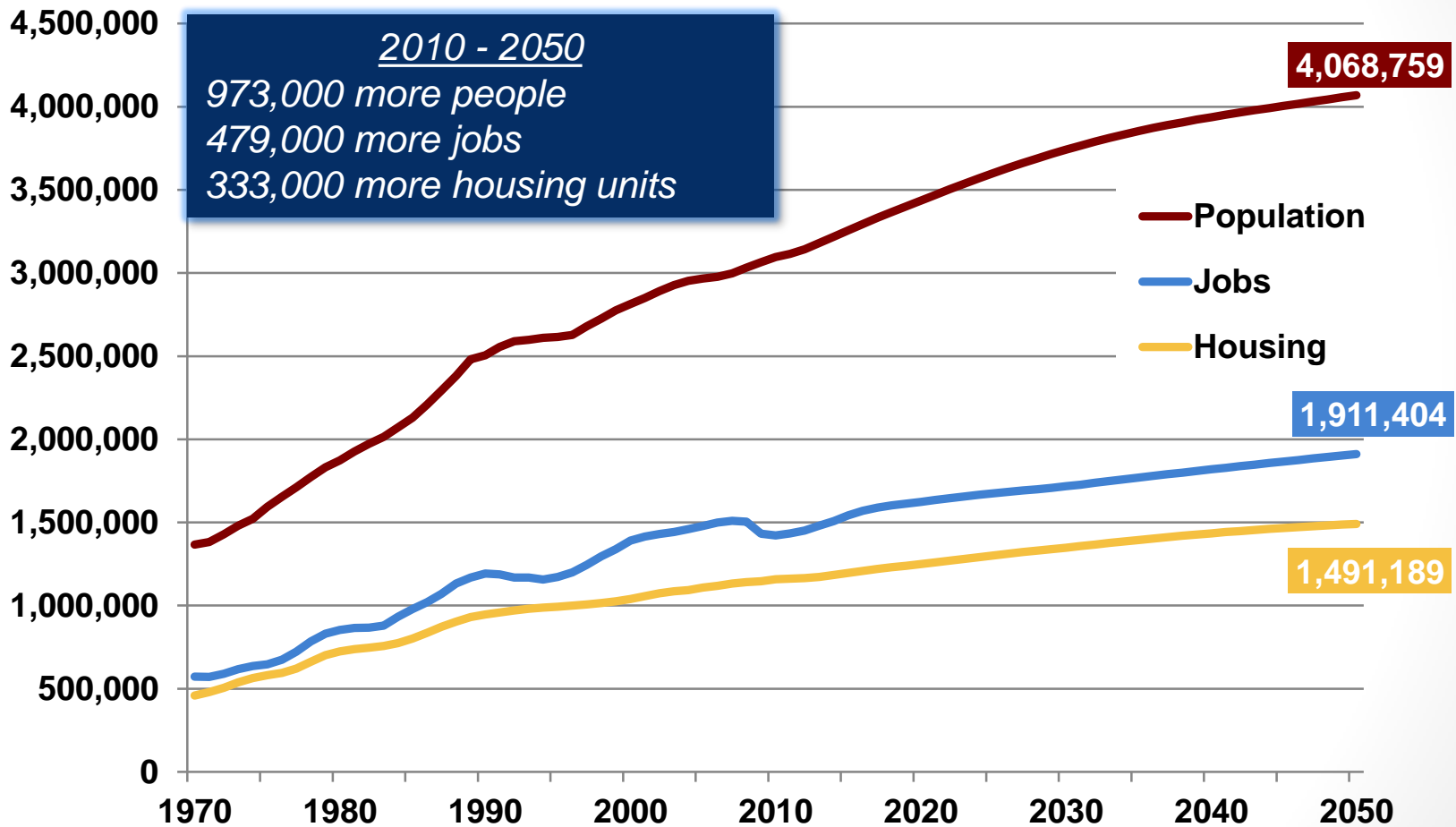- **Greater than 100 Percent**

5

Source: *State of California, Department of Finance, Report P-1 (County): State and County Total Population Projections, 2010-2060.* Sacramento, California, January 2013.

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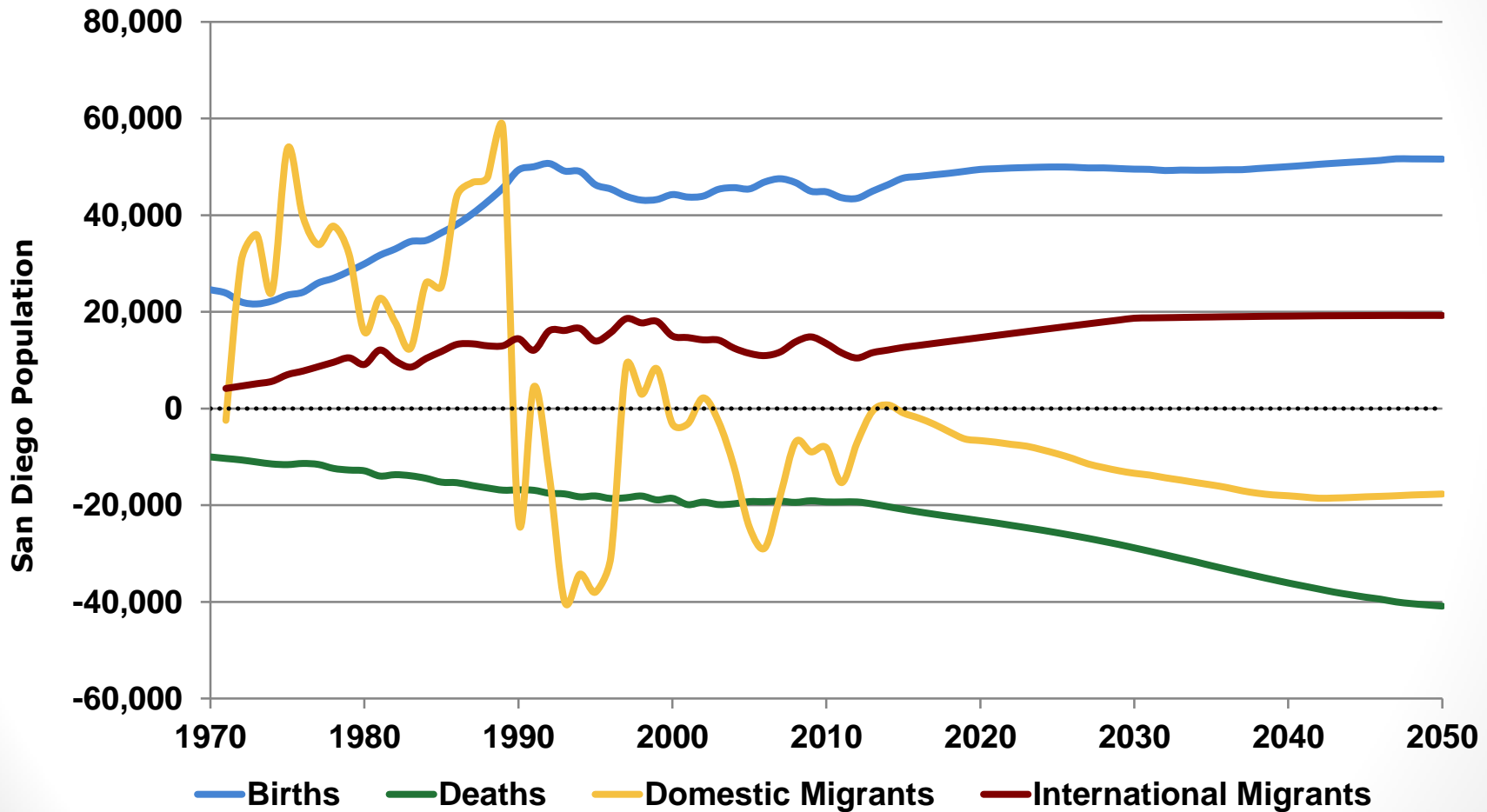# History of Forecasting: Model Accuracy
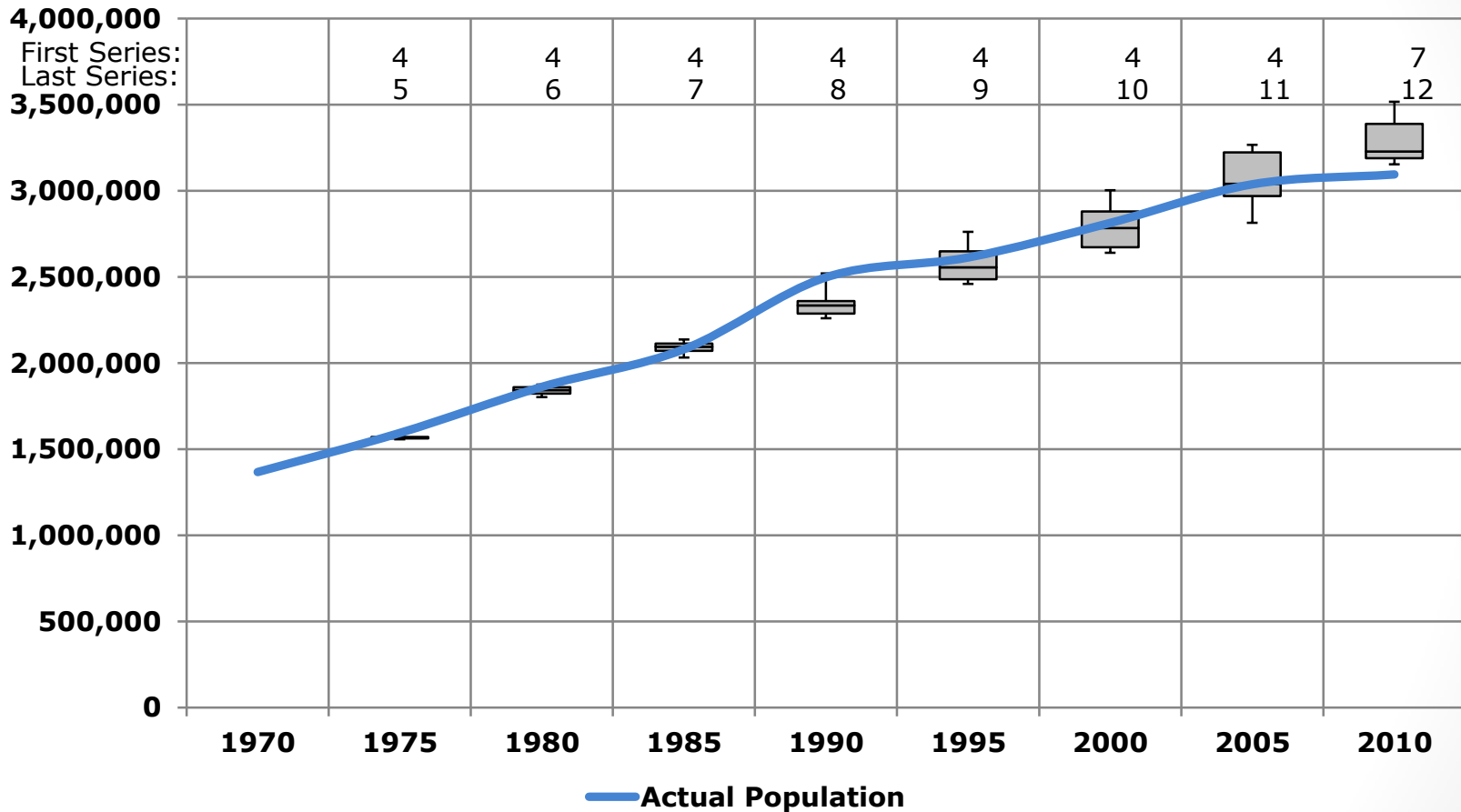
Note: Boxes represents range of forecast predictions. For example, SANDAG has provided a projection for 2005 since Series 4 through Series 11. The lowest projection was 2.8 million. The highest projection was 3.3 million. The average projection was just over 3 million. The actual population in 2005 was just over 3 million as well.
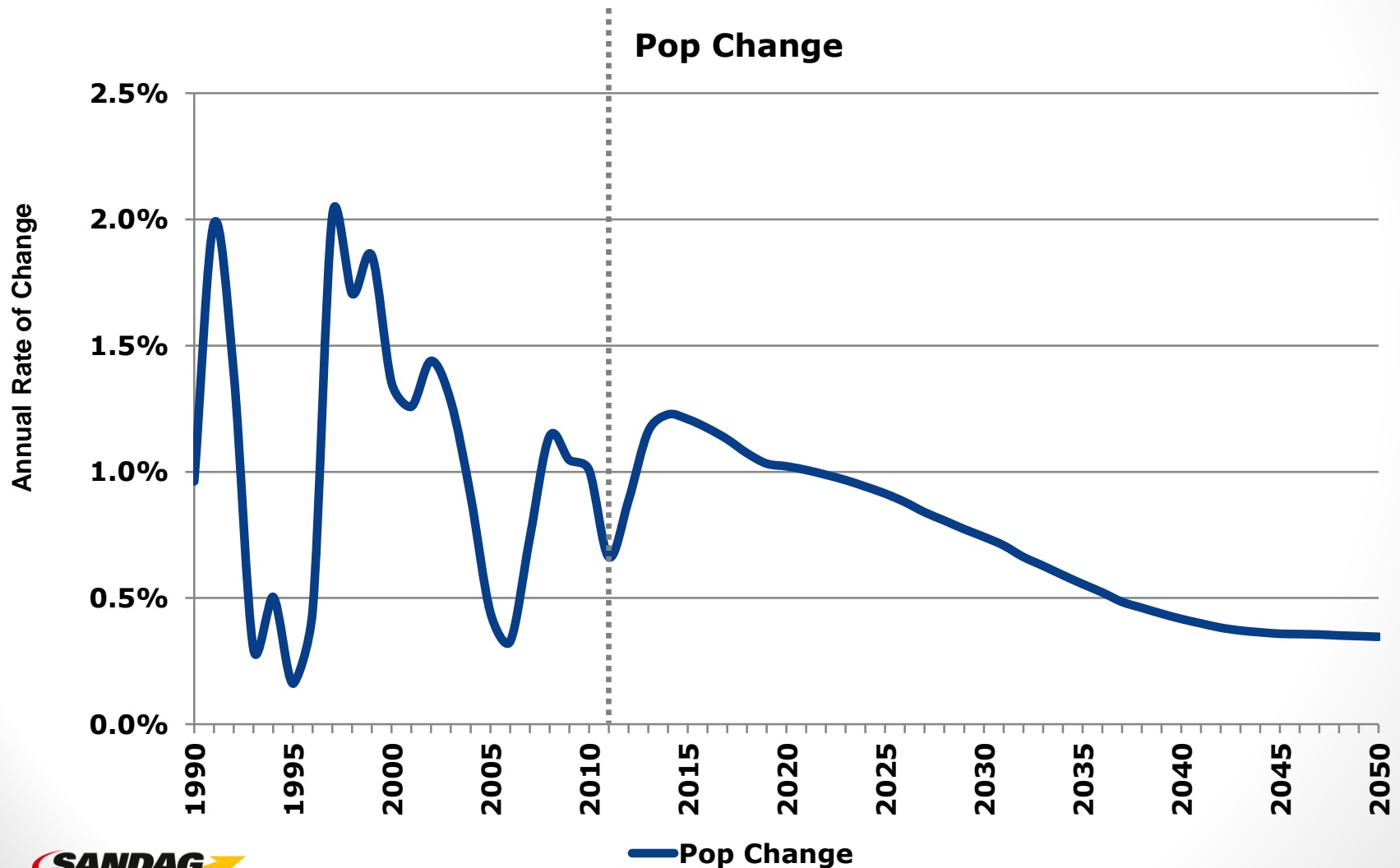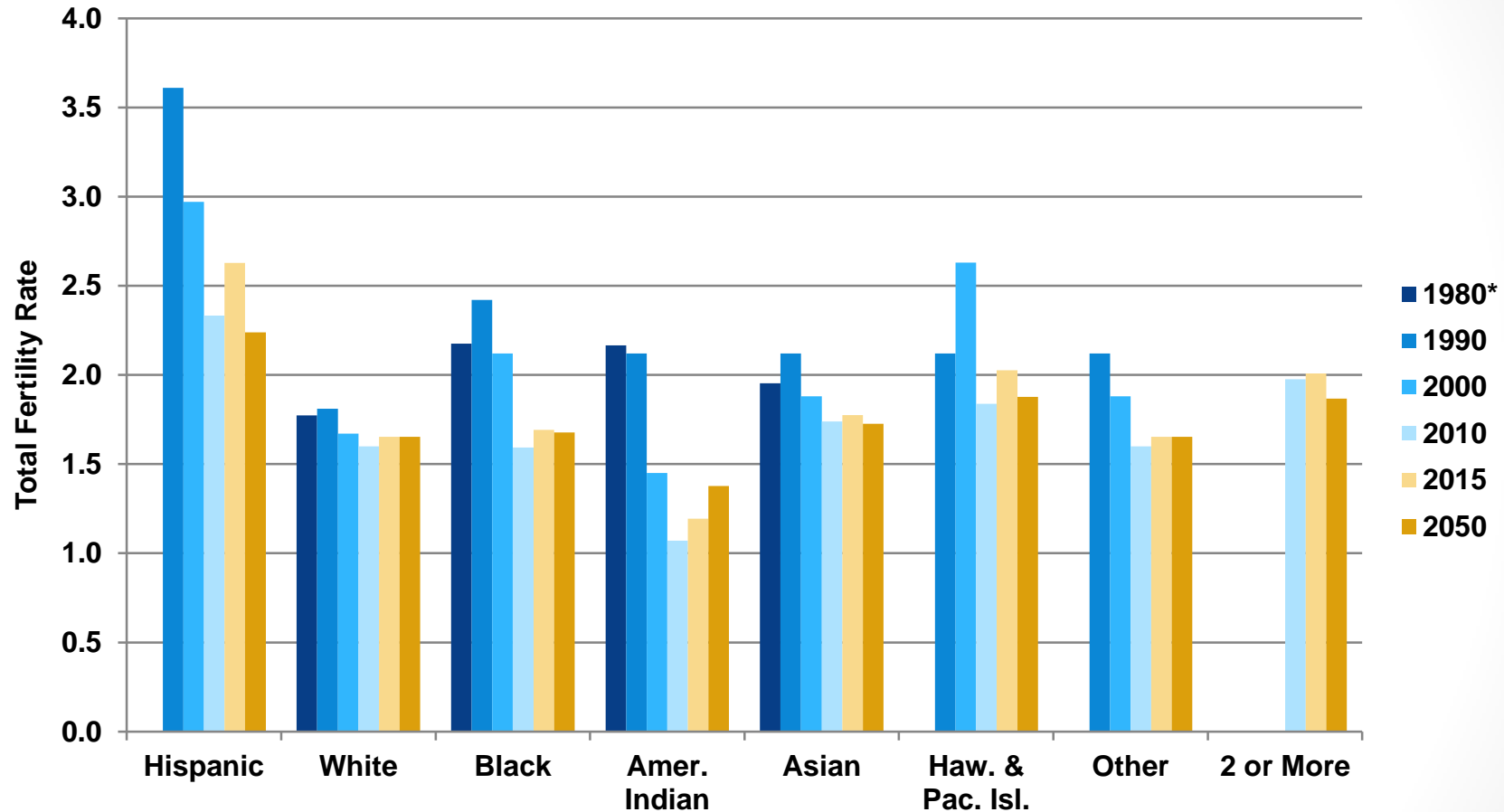
6

Population, Jobs, and Housing

2010 - 2050
973,000 more people
479,000 more jobs
333,000 more housing units

Population — **4,068,759**

Jobs — **1,911,404**

Housing — **1,491,189**

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7

Components of Change

Population: Rate of Change

Assumption

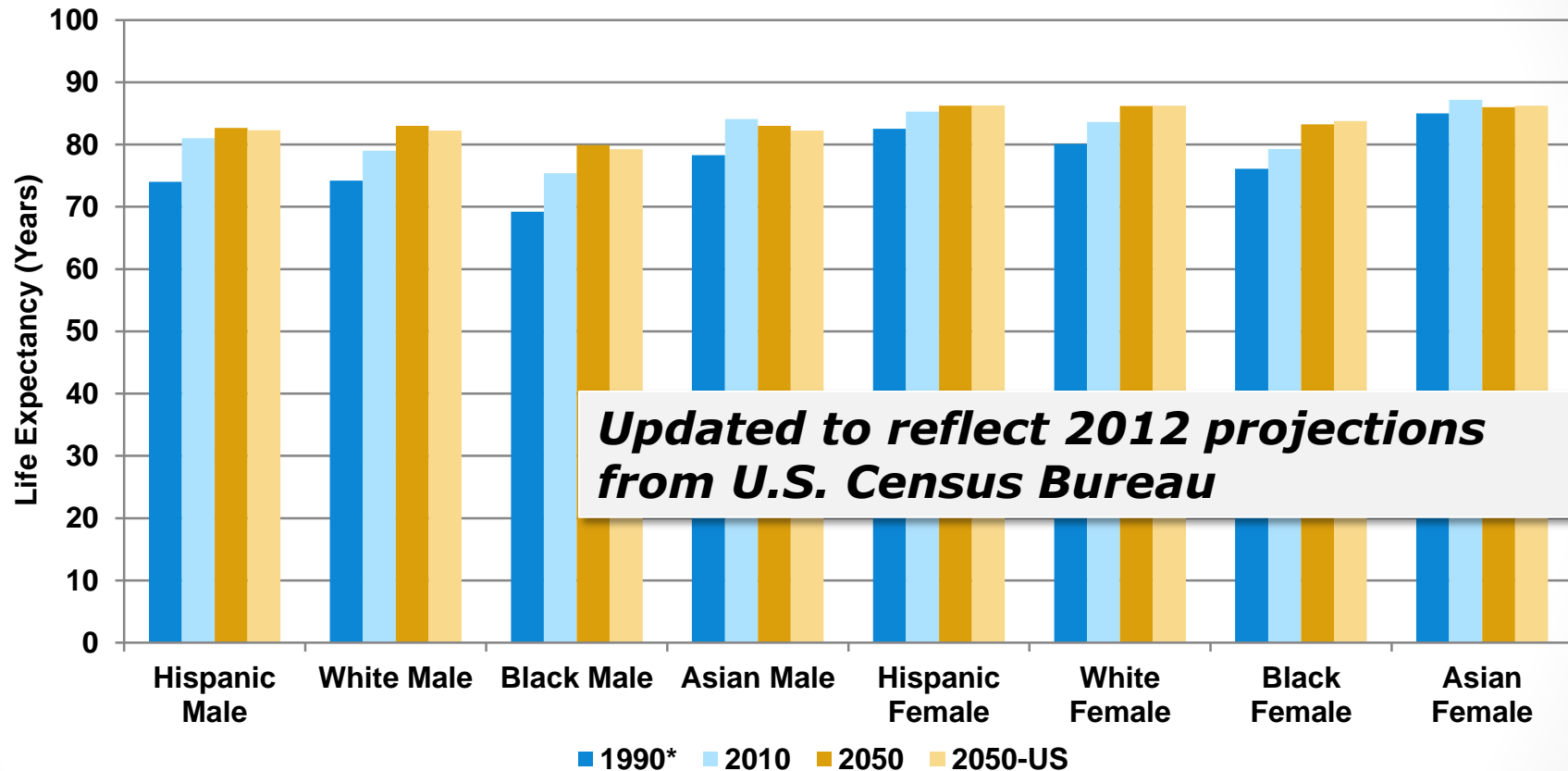# Fertility Rates

Historical source: California Department of Health, Vital Statistics (1980 data is U.S. rate from CDC)

Projection assumption: Return to pre-recession (2006) birth rates by 2015. White rate constant 2015-50, other rates converge by 40% to white rate by 2050.
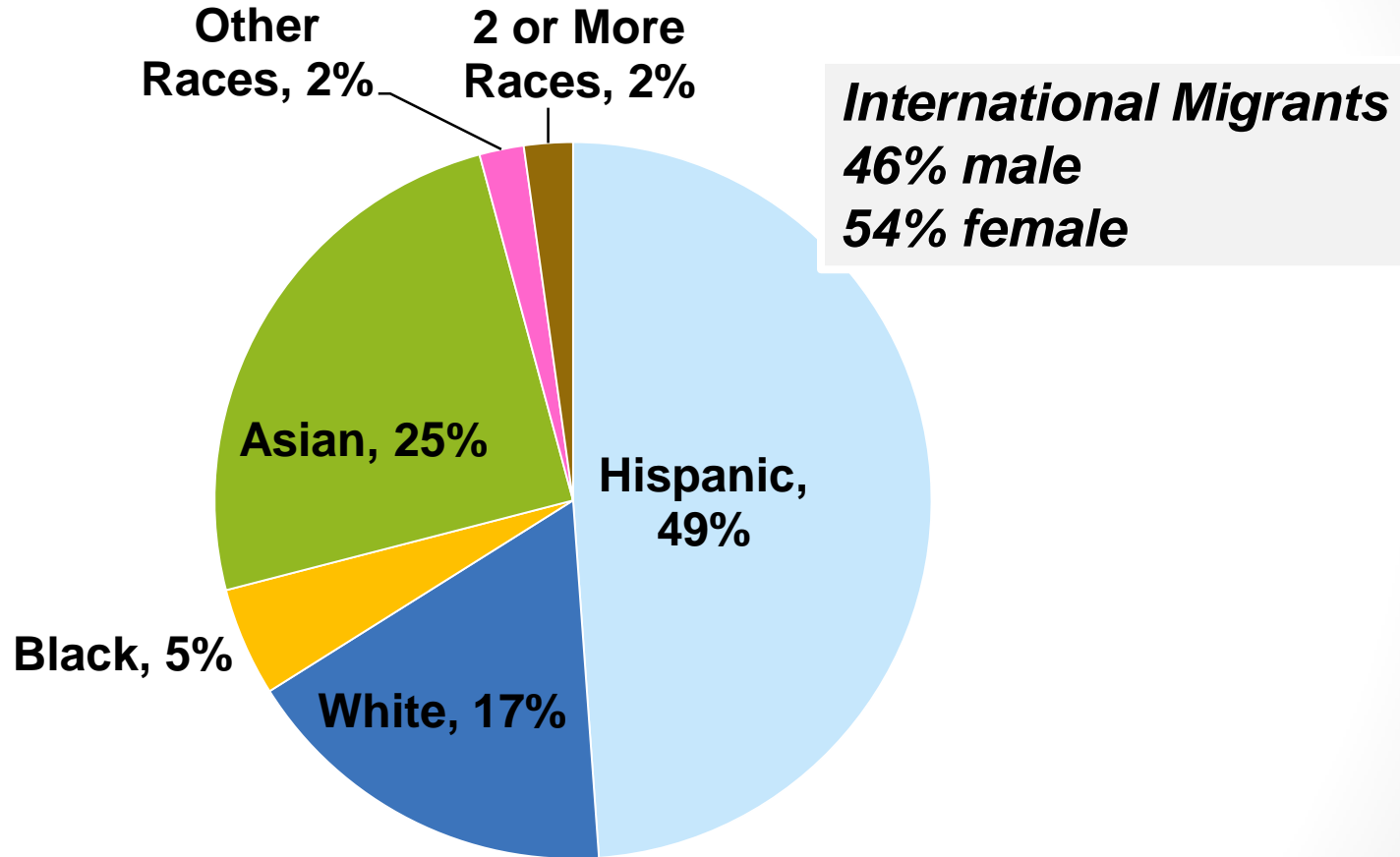
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Life Expectancy

Updated to reflect 2012 projections from U.S. Census Bureau

Legend: ■ 1990* ■ 2010 ■ 2050 ■ 2050-US

Historical source: California Department of Health, Vital Statistics (1990 data for Asian reflects a composite of all Asian/other records)

Projection assumption: Life expectancies updated to reflect 2012 Census projections (except where San Diego base year and future assumptions were higher than national average)

11

Distribution of International Migrants

Other Races, 2%

2 or More Races, 2%

Asian, 25%

Hispanic, 49%

Black, 5%

White, 17%

International Migrants 46% male 54% female

Historical source: 2006-2010 American Community Survey and 2011 American Community Survey persons "Foreign born; Entered 2000 or later"

**Projection assumption:** Held constant.

12

Domestic Migration Patterns

Destination County	Estimated Outflow
Riverside (CA)	14,673
Los Angeles (CA)	11,234
Orange (CA)	6,926
Maricopa (AZ)	6,693
San Bernardino (CA)	3,870
Clark (NV)	2,420
San Francisco (CA)	2,313
Alameda (CA)	2,246
Pima (AZ)	2,164
Santa Clara (CA)	2,101

Origin County	Estimated Inflow
Los Angeles (CA)	16,330
Orange (CA)	9,321
Riverside (CA)	8,709
San Bernardino (CA)	4,203
Maricopa (AZ)	4,156
Santa Clara (CA)	3,640
Clark (NV)	2,200
Honolulu (HI)	2,167
Ventura (CA)	2,137
Imperial (CA)	1,874

13

Source: American Community Survey, 2005-2009

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San Diego Region Age Structure
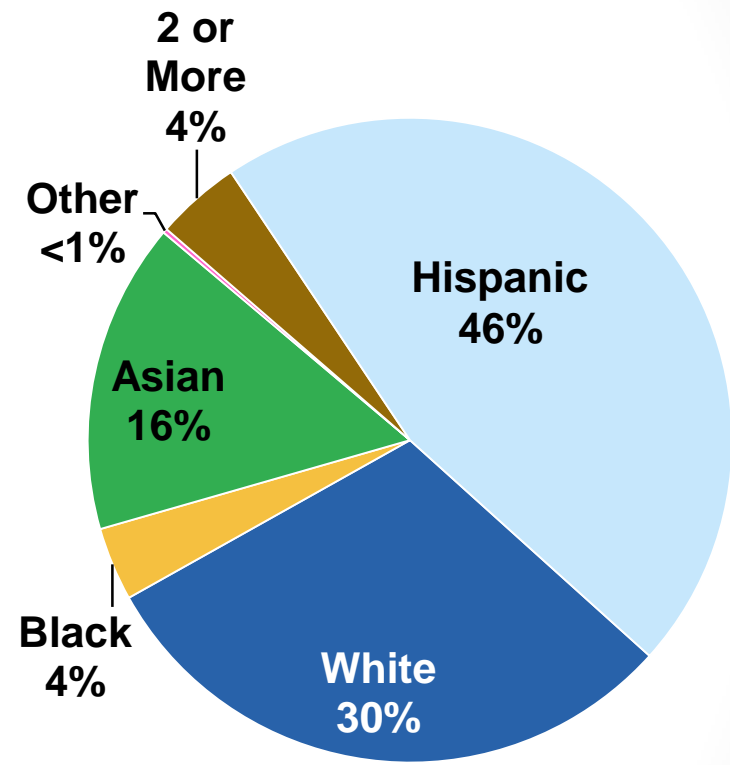## *2010 and 2050*

5 Year Age Group

Population
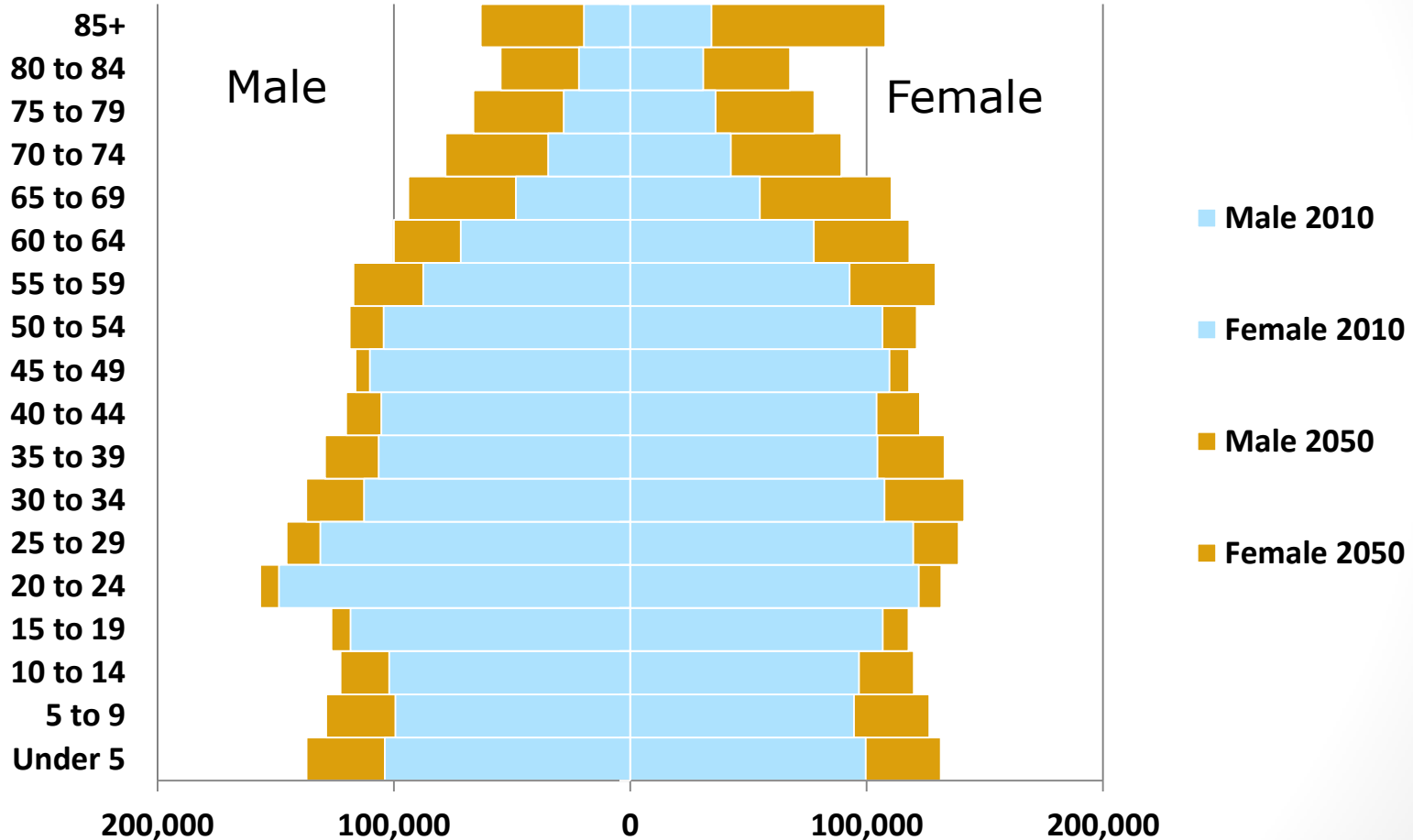
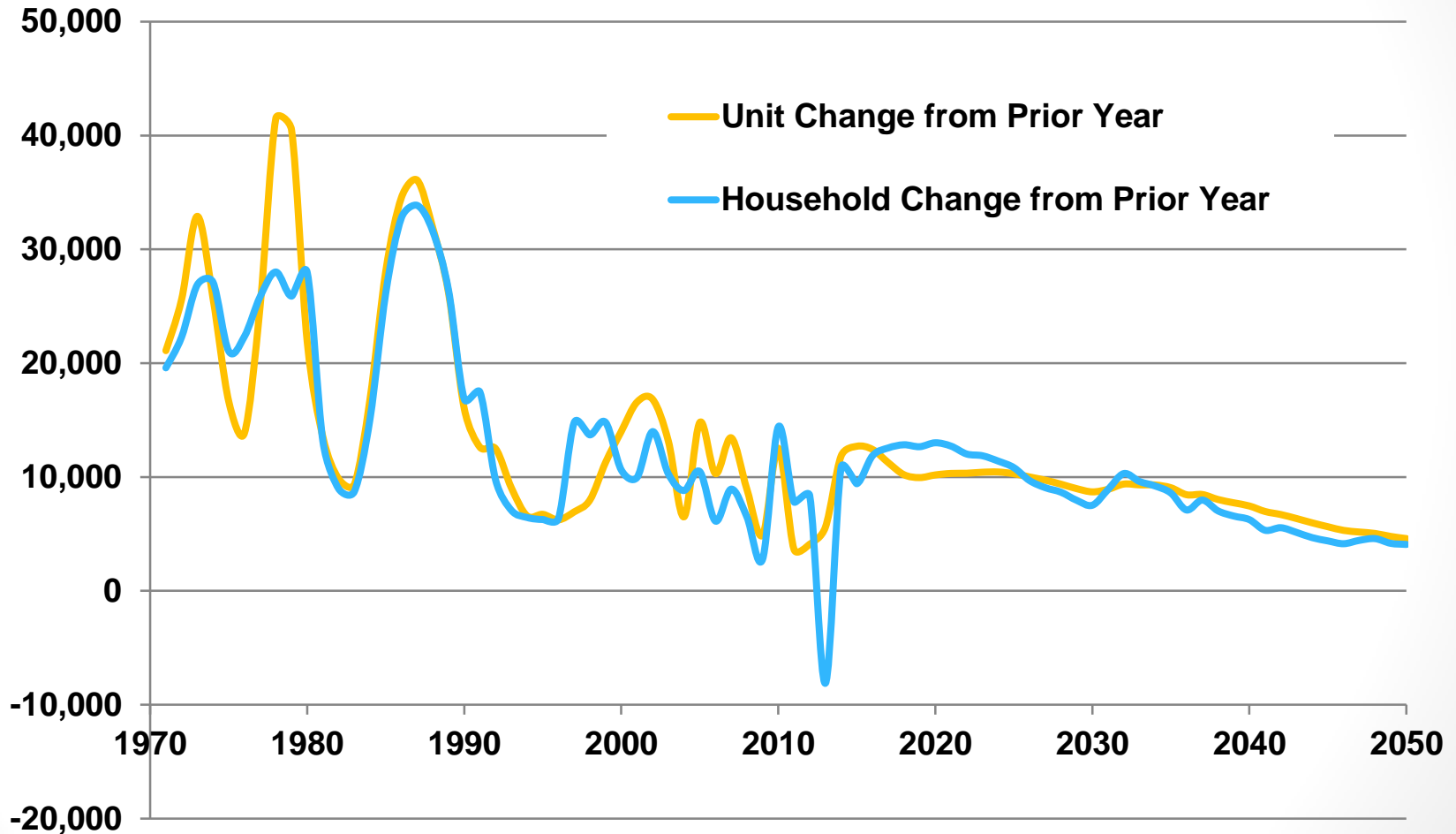# Race/Ethnicity
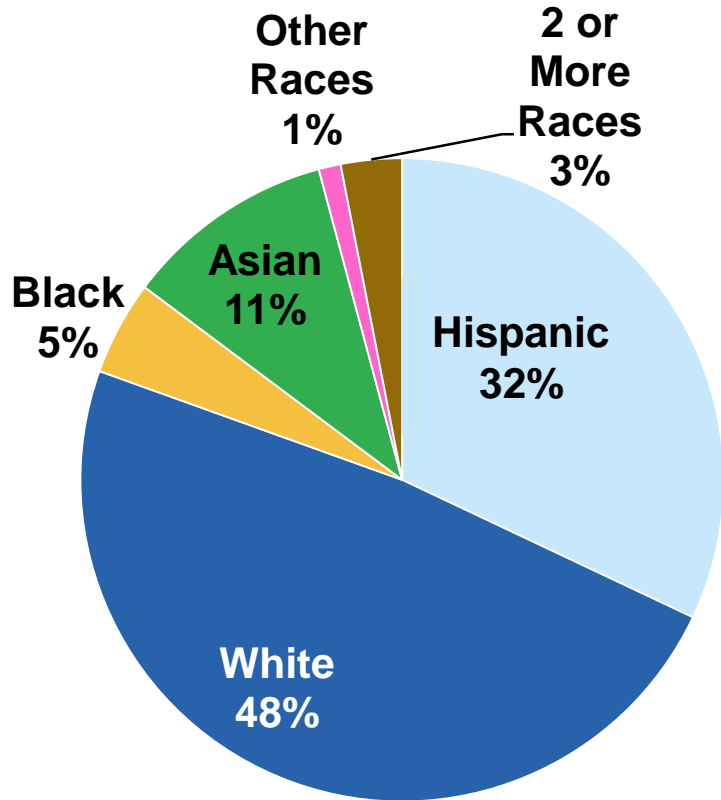
2010

2050

Key Economic Assumptions

- Housing Market
- Job Market
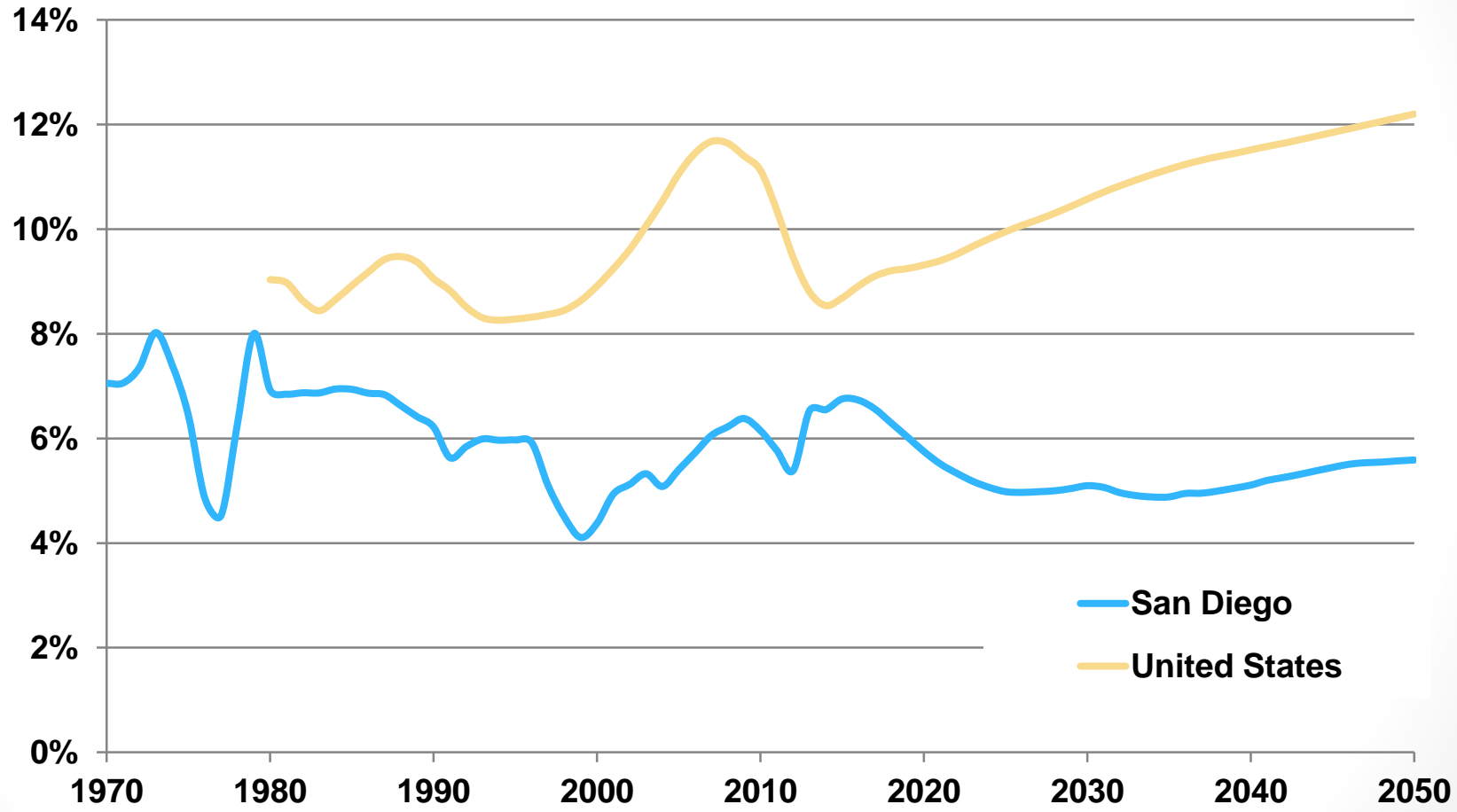 - Labor force participation
  - Unemployment
  - Job growth

Annual Change Households & Units

Change in Households/Units

Legend:
- Unit Change from Prior Year
- Household Change from Prior Year

U.S. and San Diego Vacancy Rate

Vacancy Rate chart showing San Diego (blue) and United States (yellow) vacancy rates from 1970 to 2050, with y-axis ranging from 0% to 14% and x-axis from 1970 to 2050.

Legend: San Diego, United States
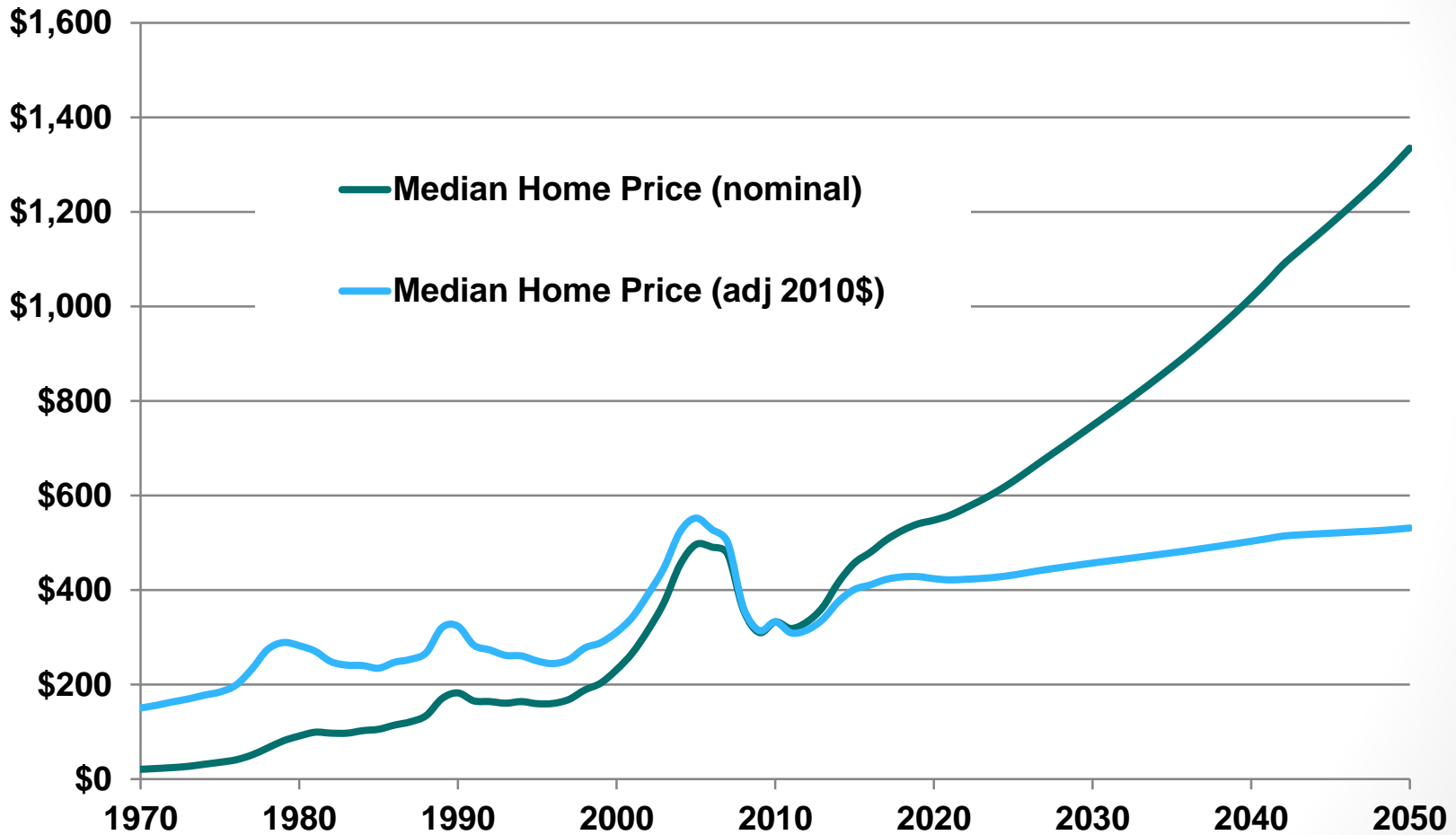
U.S. and San Diego Job Growth

Job Growth Rate
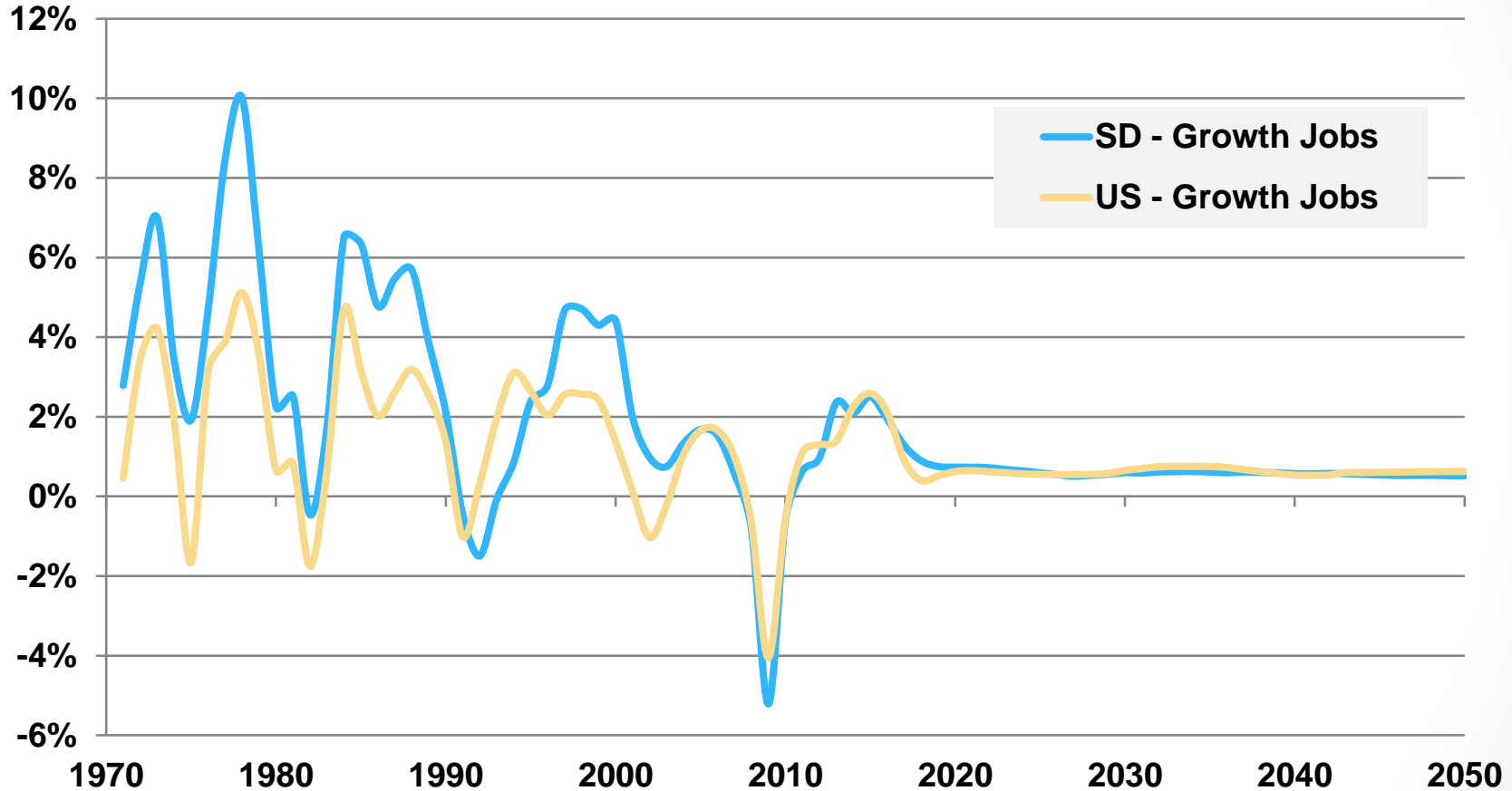
Historical source: California Employment Development Department and
U.S. Bureau of Labor Statistics

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Projection assumption: Job growth is the sum of individual industry sector projections

20
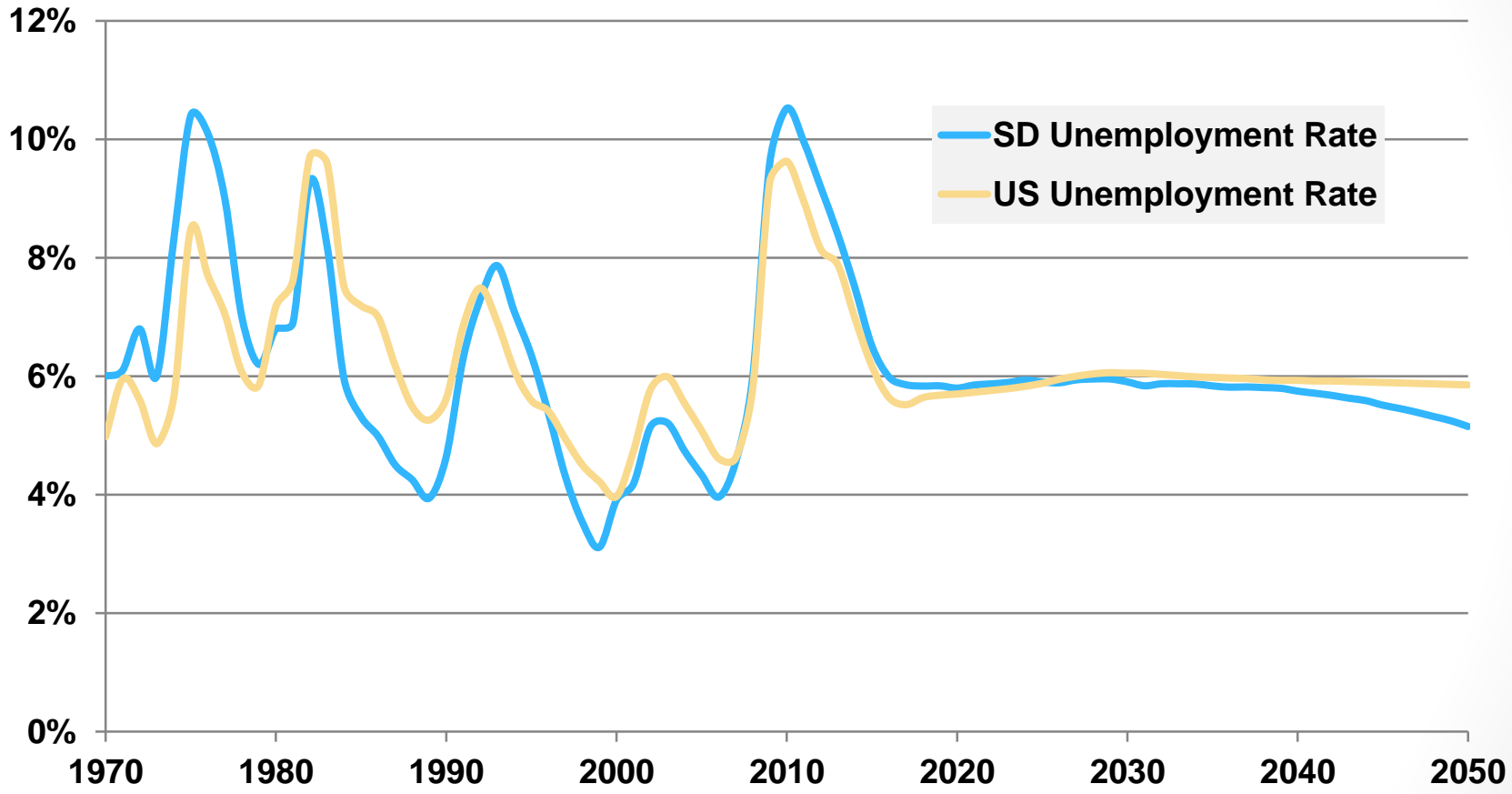
U.S. and San Diego Unemployment
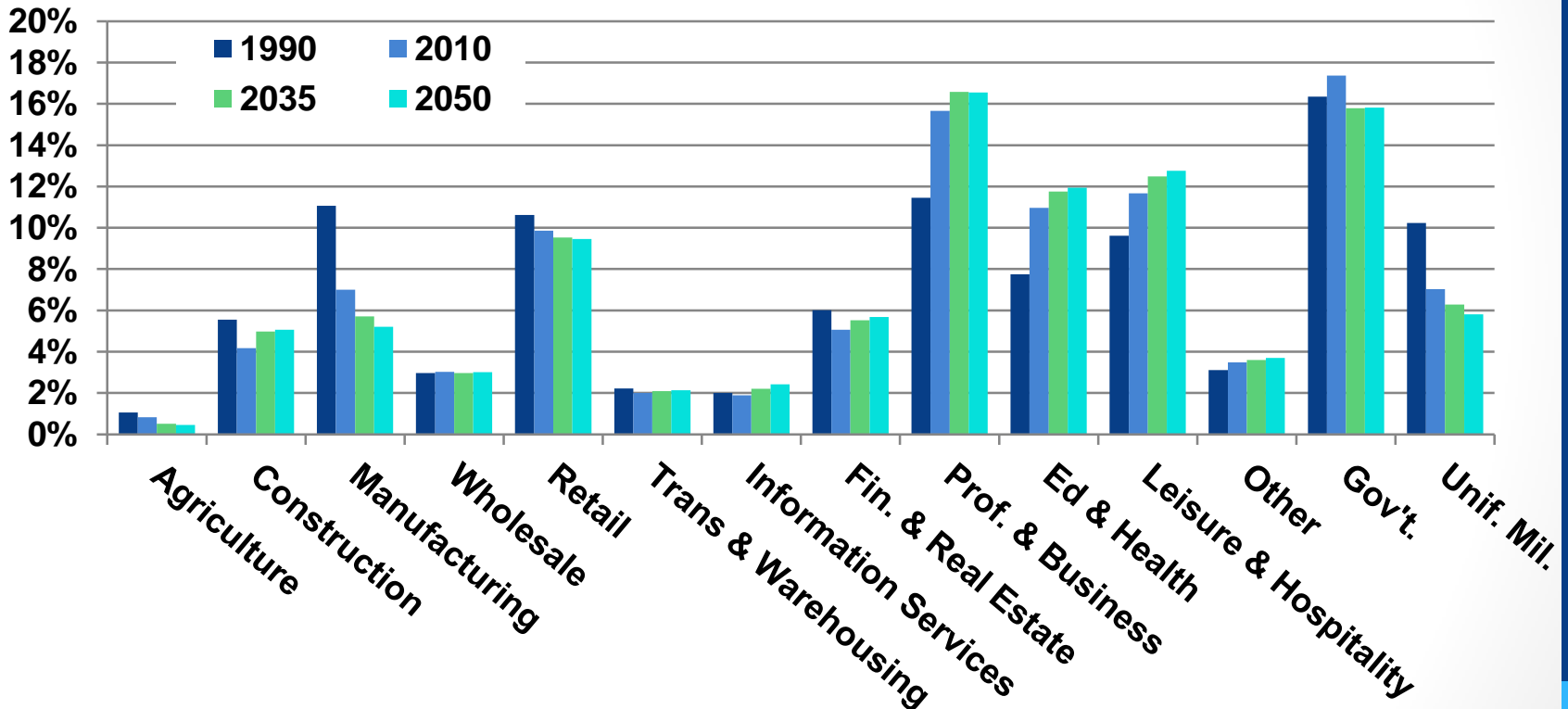
Unemployment Rate

Historical source: California Employment Development Department and U.S. Bureau of Labor Statistics

Projection assumption: Net result of labor force and employed residents

Distribution of Jobs by Industry

Percent of Total Jobs

Legend: ■ 1990 ■ 2010 ■ 2035 ■ 2050

Y-axis: 0% to 20%

Categories: Agriculture, Construction, Manufacturing, Wholesale, Retail, Trans & Warehousing, Information Services, Fin. & Real Estate, Prof. & Business, Ed & Health, Leisure & Hospitality, Other, Gov't., Unif. Mil.
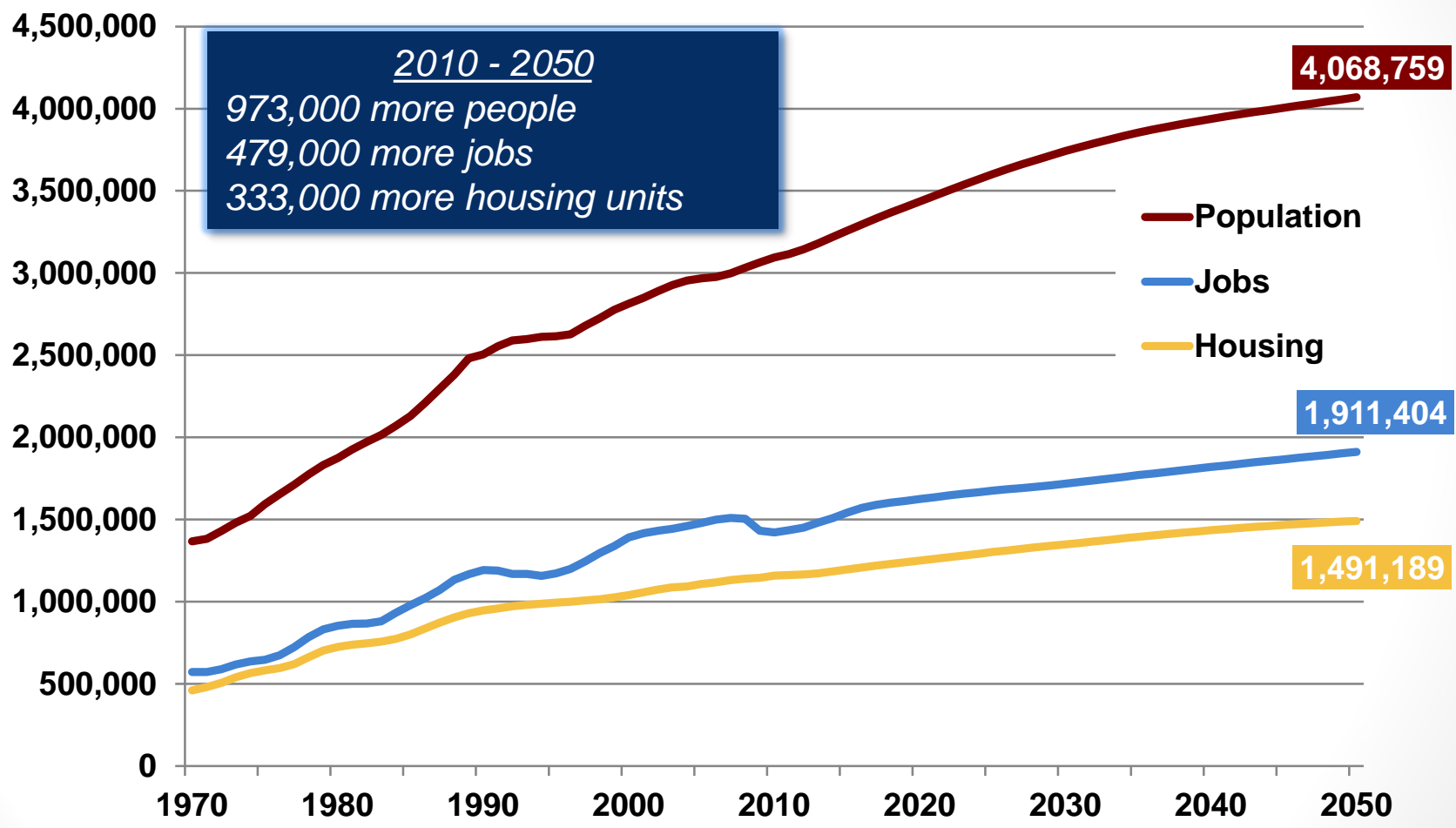
Historical source: QCEW California Employment Development Dept. (annual average)

Projection assumption: Each industry's jobs forecast is driven by US job growth by industry and a local market index

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Housing — **1,491,189**

Schedule and next steps

March 2013
- Complete collection and review of land use inputs

April 2013
- Sub-regional forecast runs
- Preliminary sub-regional forecast results for TWG review

May – June 2013
- Adjustments / updates from TWG / Local Jurisdictions

Summer 2013
- Draft sub-regional forecast to Stakeholders and Board

24

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Population, Jobs, and Housing

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4,068,759

— **Population**
— **Jobs**
— **Housing**

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