



REGIONAL TRANSPORTATION PLAN

2012 RTP

SUSTAINABLE COMMUNITIES STRATEGY

Towards a Sustainable Future

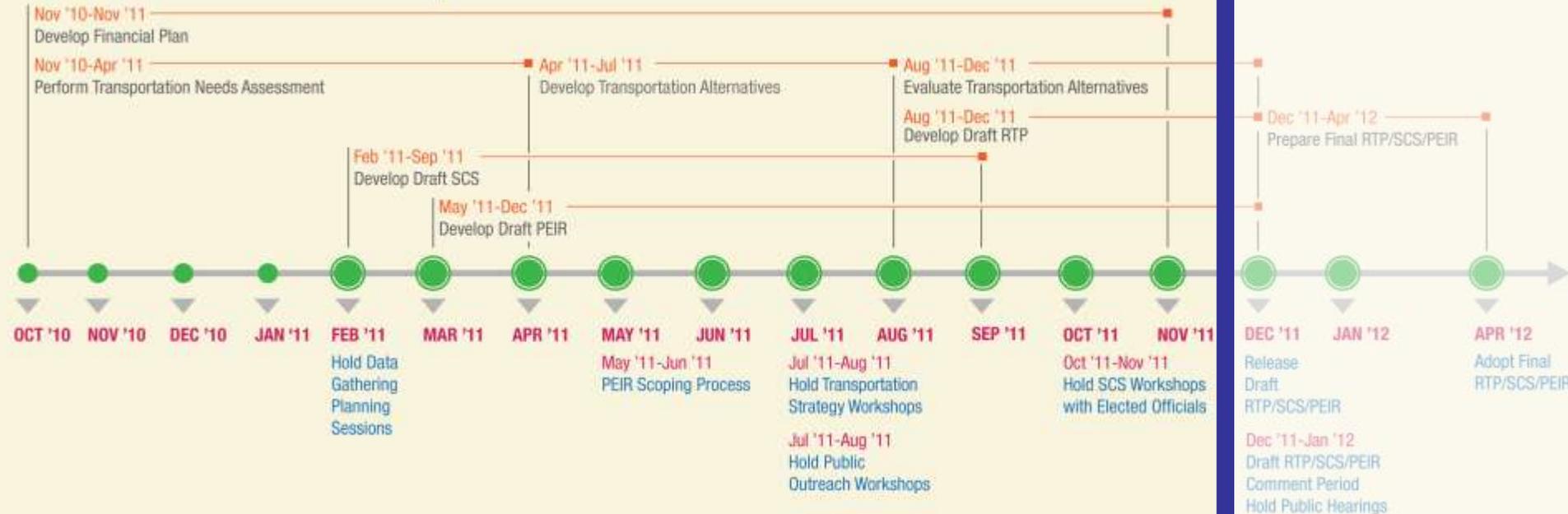
2012 RTP/SCS PUBLIC OUTREACH WORKSHOP



SOUTHERN CALIFORNIA
ASSOCIATION of GOVERNMENTS

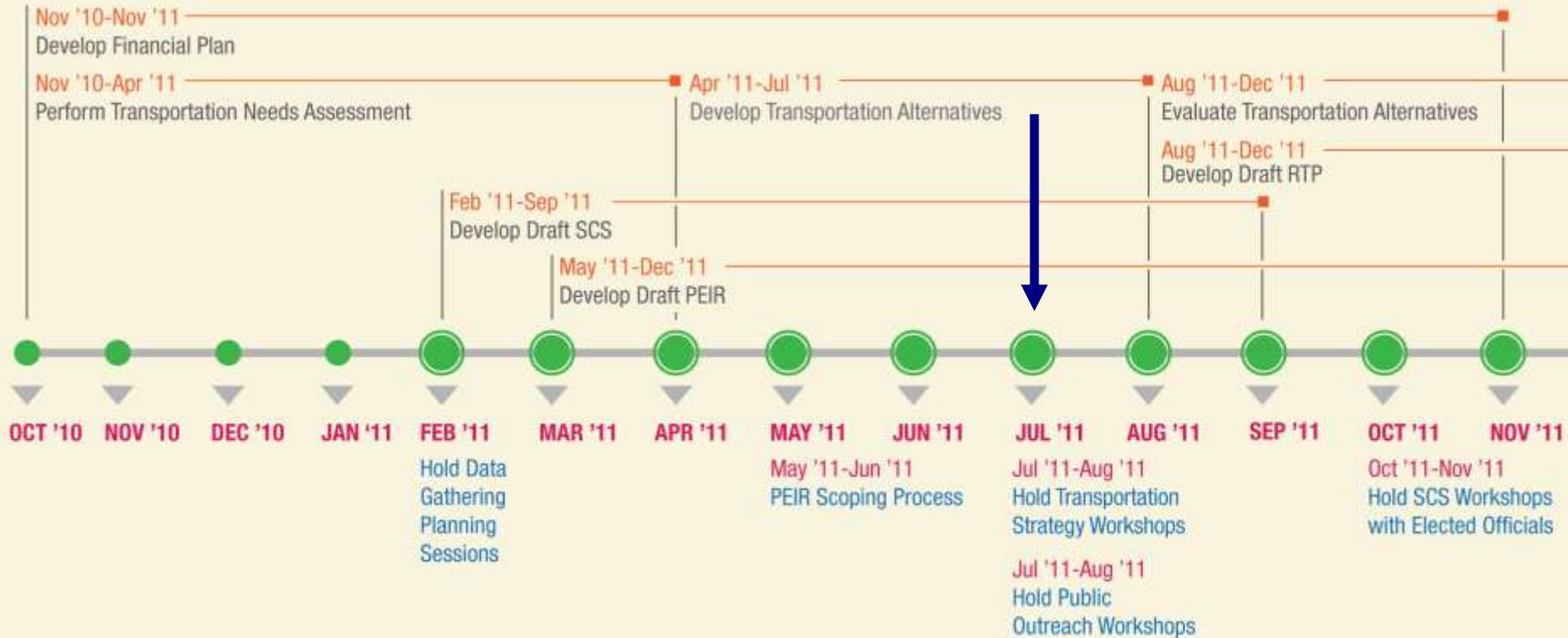
Timeline

2012 RTP Development Timeline

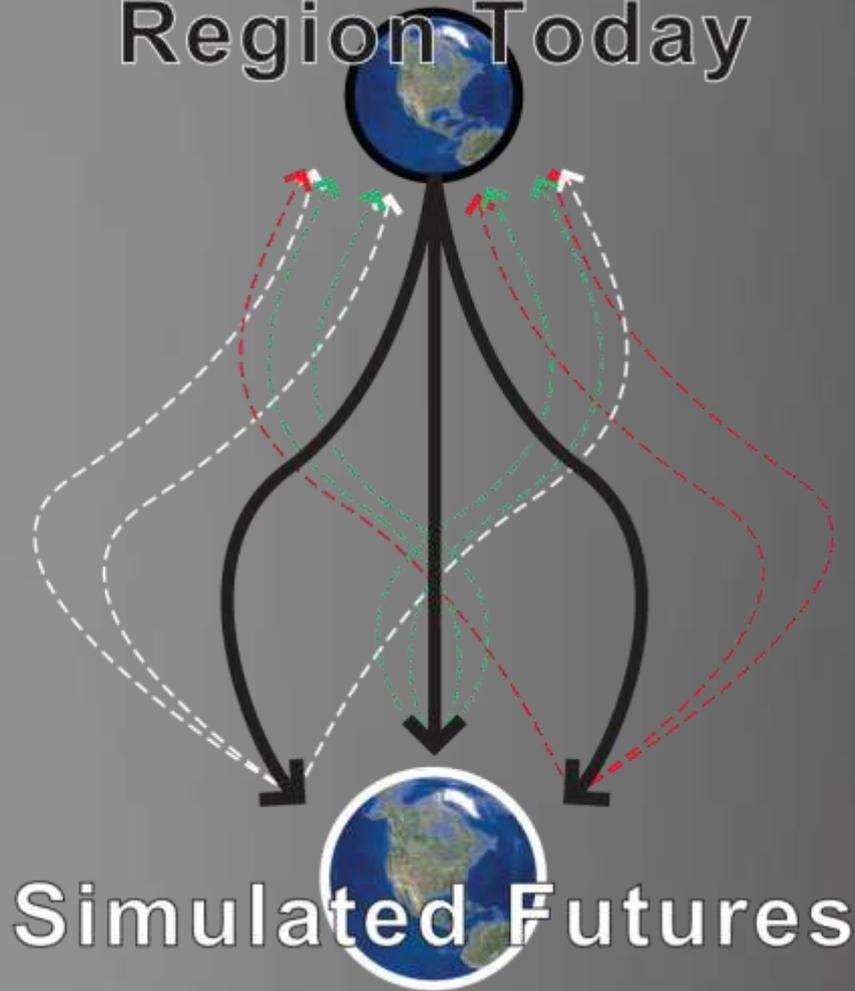


Where we've been

2012 RTP Development Timeline



Region Today

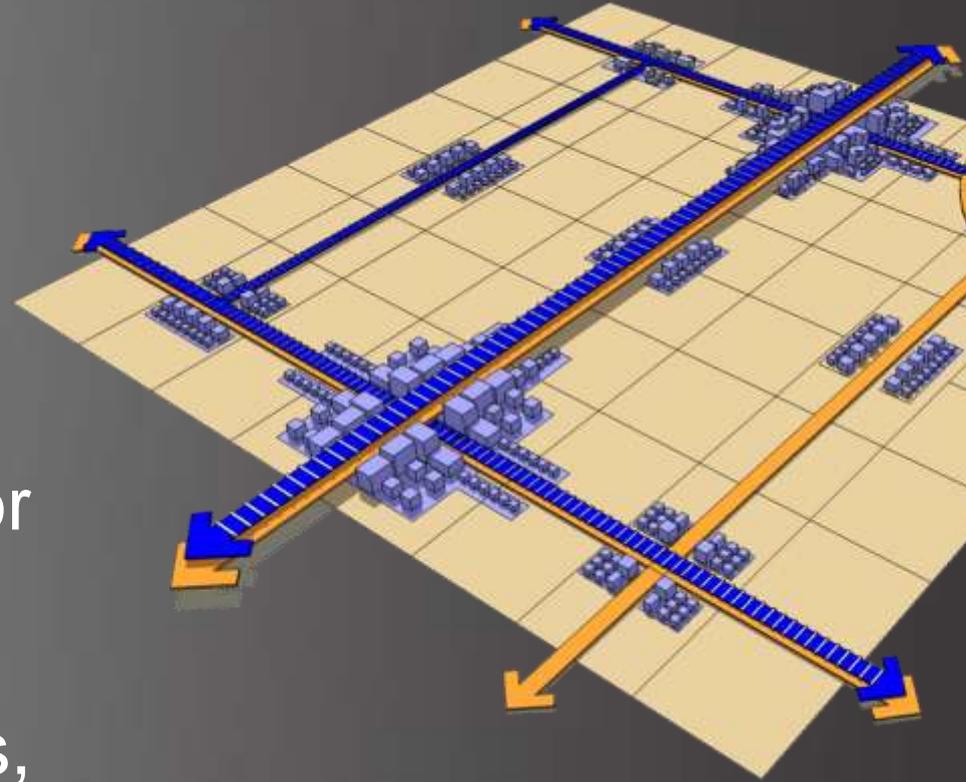


Scenarios for Southern California

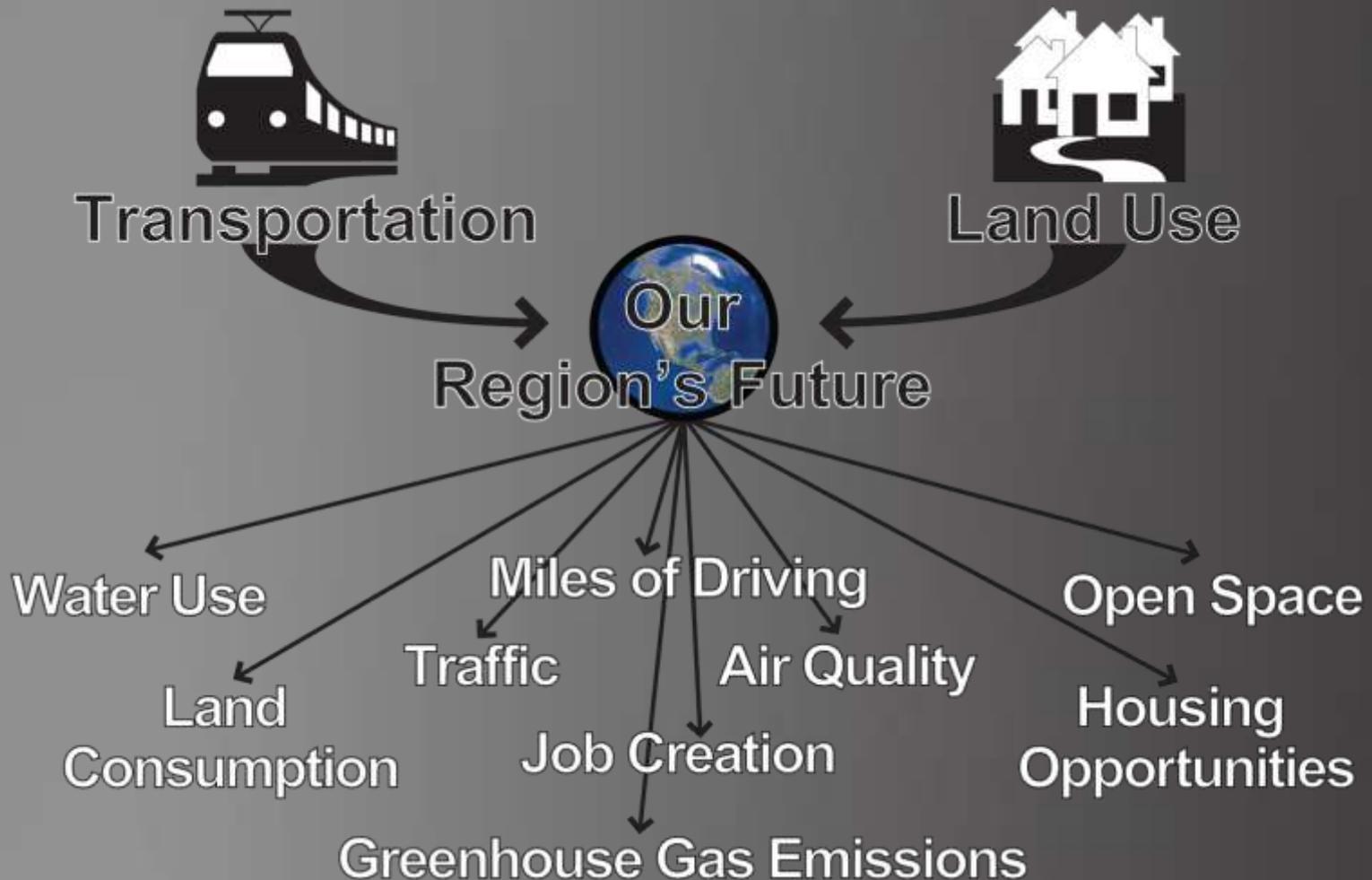
Simulated Futures

Scenarios explore transportation and land development questions...

1. Should we grow up or out?
2. What type of homes should we build?
3. Invest more in roads or public transportation?
4. Bedroom communities, job centers, a balance?



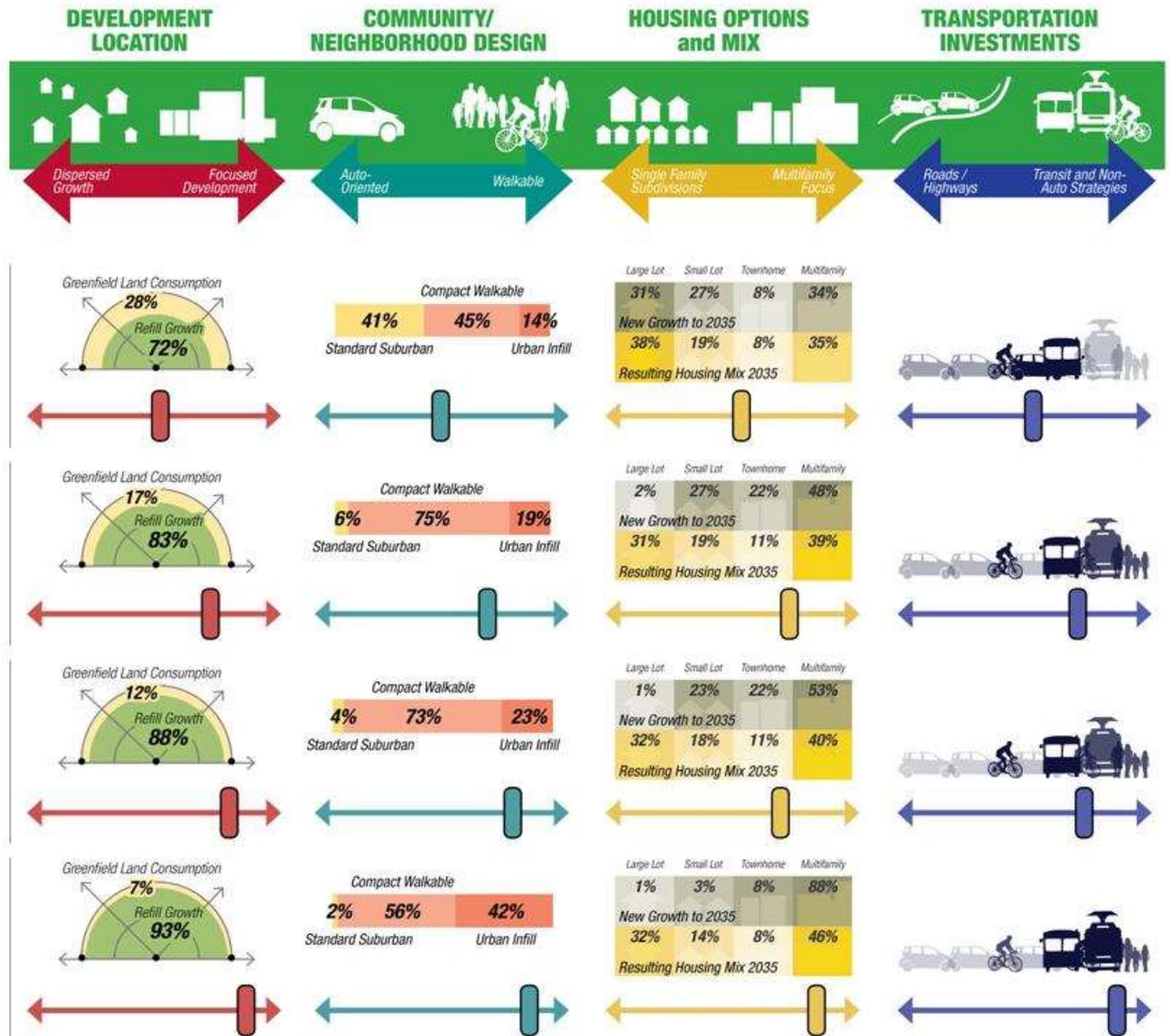
...to understand how different futures might shape our lives, economy, and environment



Today's Activities

1. Overview of the 2012 RTP Process
2. Discuss objectives that you feel the RTP should meet
3. Identify regional issues that matter most to you
4. Provide input on scenarios for addressing growth and transportation

Scenarios Snapshot



1

2

3

4

Greenfield vs. Infill / Reuse

New Development 2008-2035



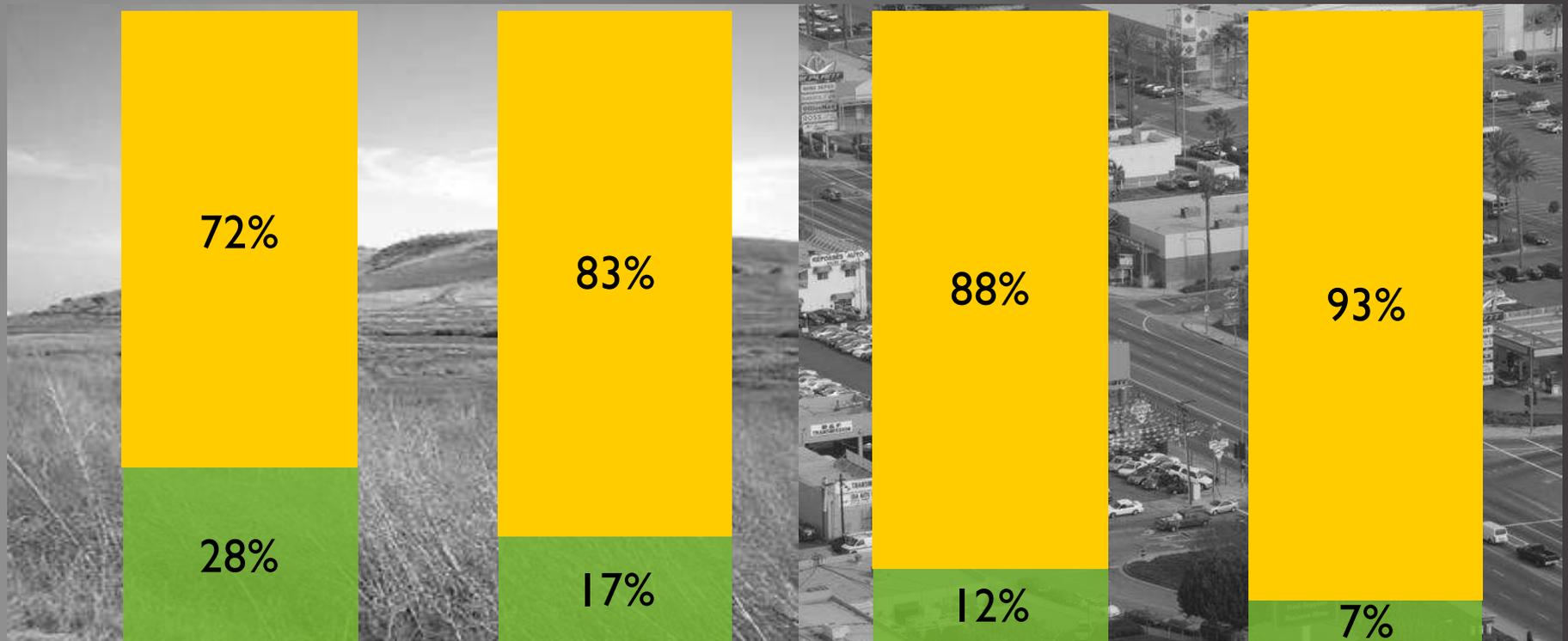
Greenfield vs. Infill / Reuse

New Development 2008-2035



■ Greenfield

■ Reuse



1

2

3

4

Development Proportions

New Growth 2008-2035



Suburban
Standard

Lower
Density
Auto-
Oriented
Suburban



Walkable
Mixed-Use

Mid-
Density
Walkable
and/or
Transit
Oriented



Urban
Infill

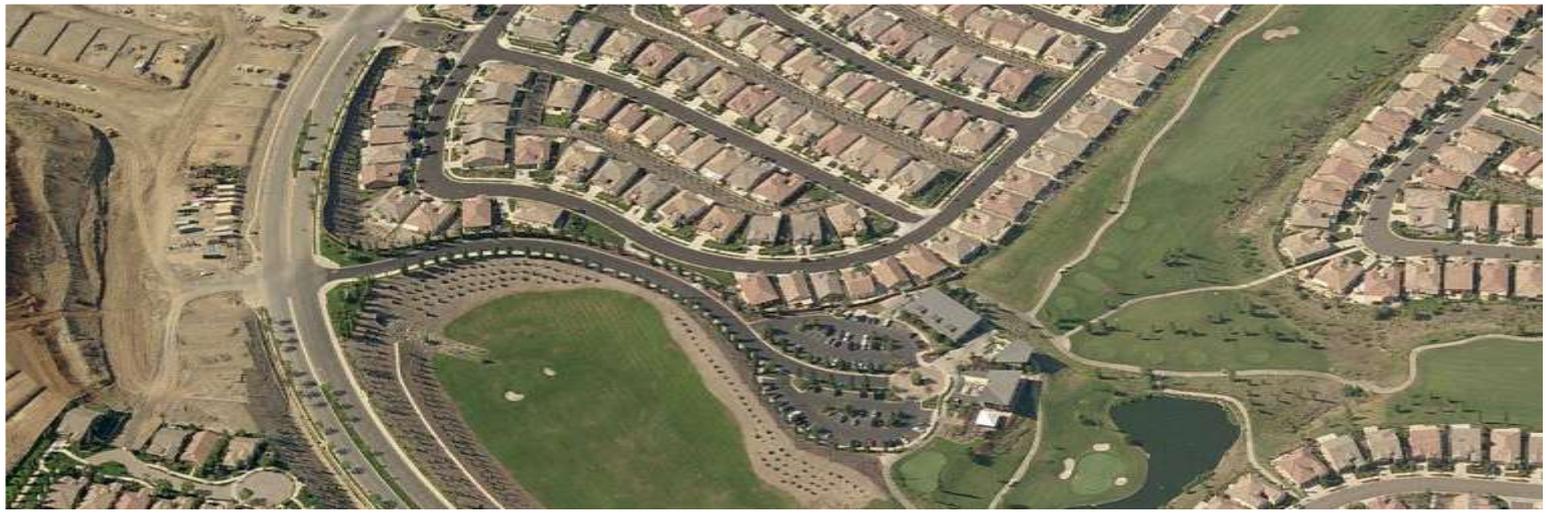
Higher-
Density
Transit-
Oriented
Infill

Standard



Standard

**Lower
Density
Auto-
Oriented
Suburban**



**Mixed Use
Walkable**

**Mid-
Density
Walkable
and/or
Transit
Oriented**



Urban

**Higher-
Density
Transit-
Oriented
Infill**

Standard



Standard

Lower
Density
Auto-
Oriented
Suburban



Mixed Use
Walkable

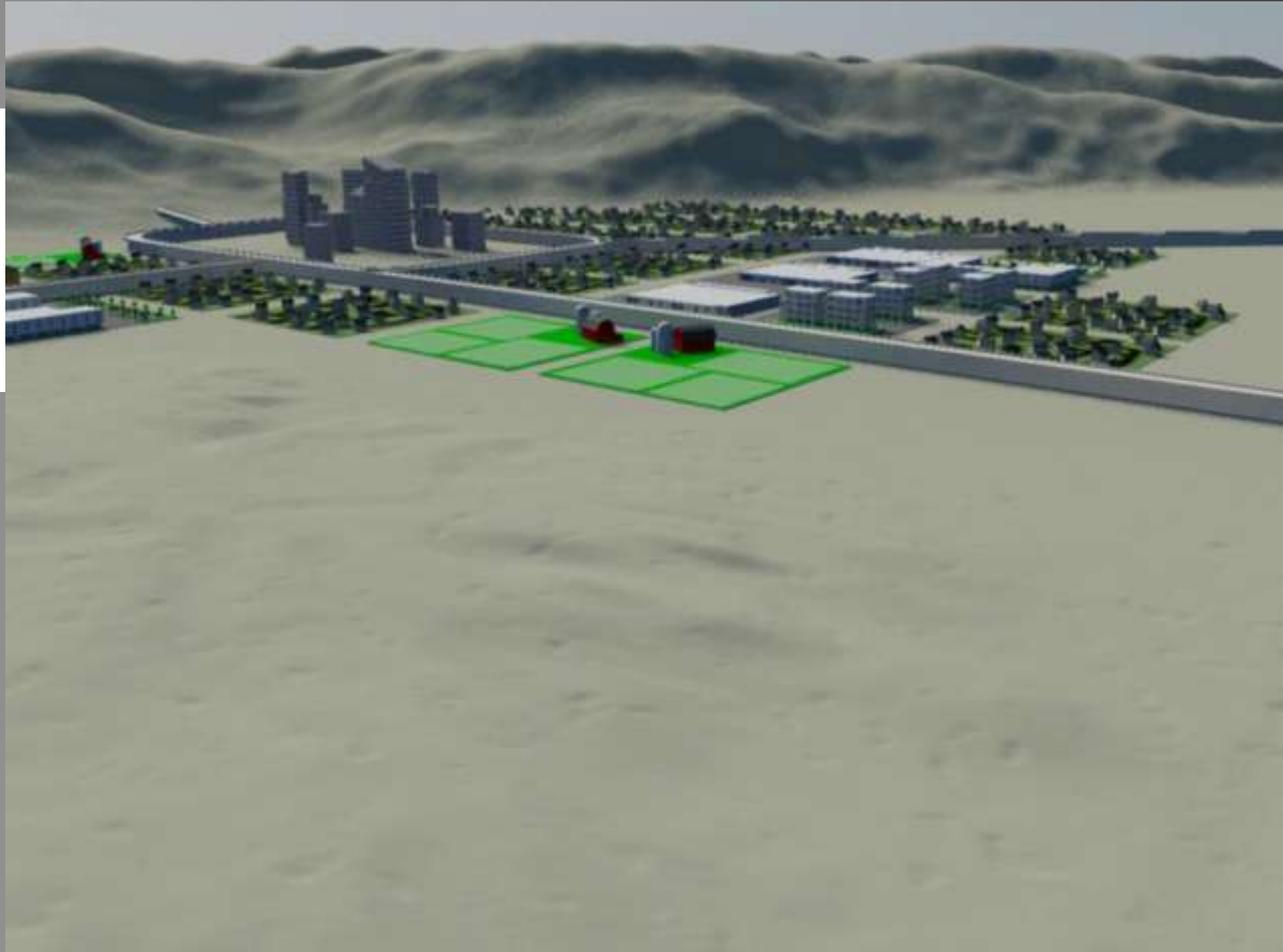
Mid-
Density
Walkable
and/or
Transit
Oriented



Urban

Higher-
Density
Transit-
Oriented
Infill

Standard



Standard

Lower
Density
Auto-
Oriented
Suburban

**Mixed Use
Walkable**

Mid-
Density
Walkable
and/or
Transit
Oriented

Urban

Higher-
Density
Transit-
Oriented
Infill

Mixed-Use Walkable



Standard

Lower
Density
Auto-
Oriented
Suburban

Mixed Use
Walkable

Mid-
Density
Walkable
and/or
Transit
Oriented

Urban

Higher-
Density
Transit-
Oriented
Infill



Mixed-Use Walkable



Standard

Lower Density Auto-Oriented Suburban



Msole- Downtown Riverside



Medical Center BRT Station – Moreno Valley

Mixed Use Walkable

Mid-Density Walkable and/or Transit Oriented



Jefferson Corridor- Temecula



Library Square- Downtown Corona

Urban

Higher-Density Transit-Oriented Infill

Mixed-Use Walkable



Urban



Standard

Lower Density
Auto-Oriented
Suburban



Gateway District - Lake Elsinore

Mixed Use
Walkable

Mid-Density
Walkable
and/or
Transit
Oriented



Anaheim

Urban

Higher-Density
Transit-Oriented
Infill



Fox Theater Plaza - Riverside

Urban



Standard

Lower
Density
Auto-
Oriented
Suburban



Mixed Use
Walkable

Mid-
Density
Walkable
and/or
Transit
Oriented

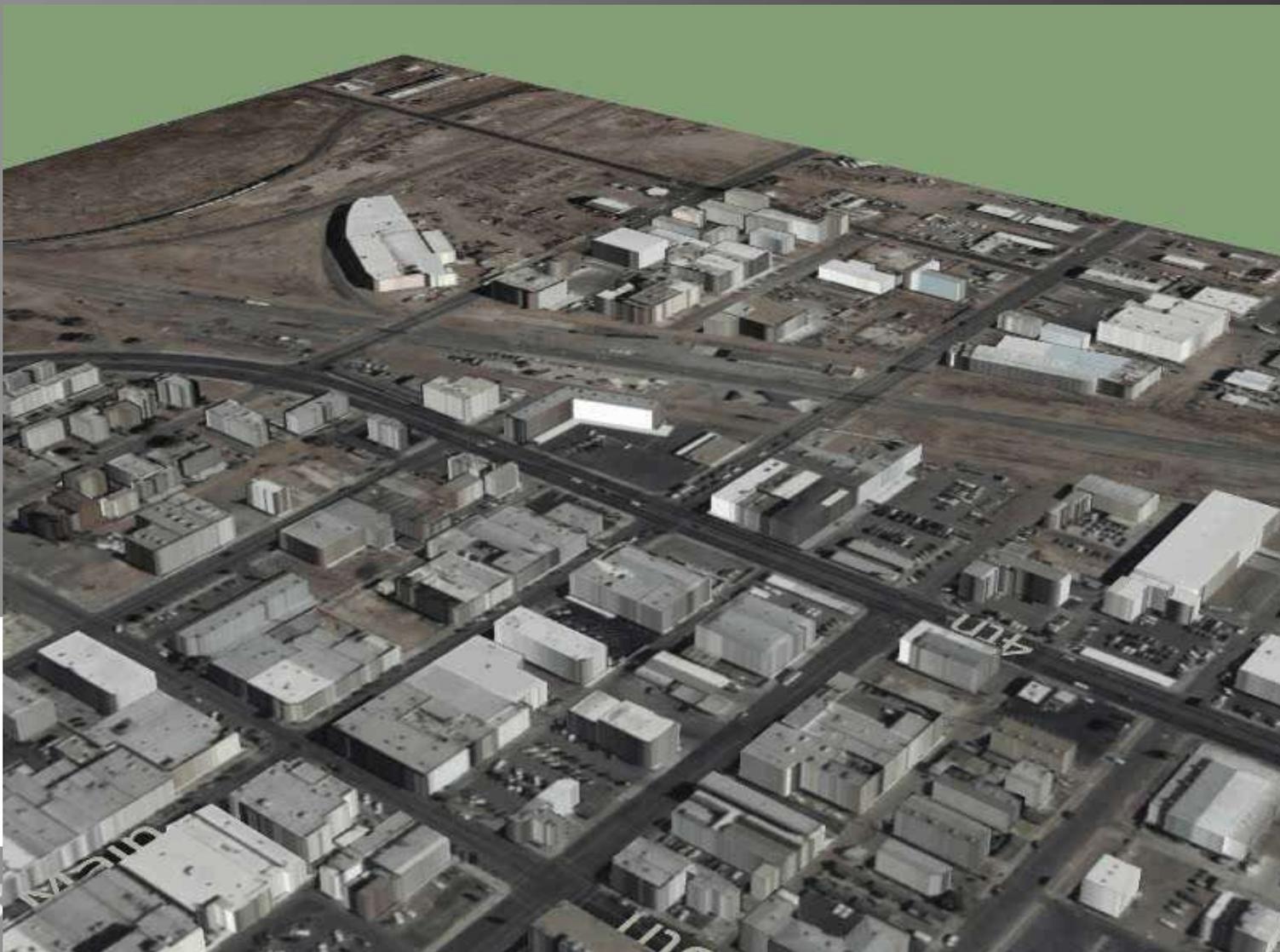


Urban

Higher-
Density
Transit-
Oriented
Infill

After

Urban



Standard

Lower
Density
Auto-
Oriented
Suburban

Mixed Use
Walkable

Mid-
Density
Walkable
and/or
Transit
Oriented

Urban

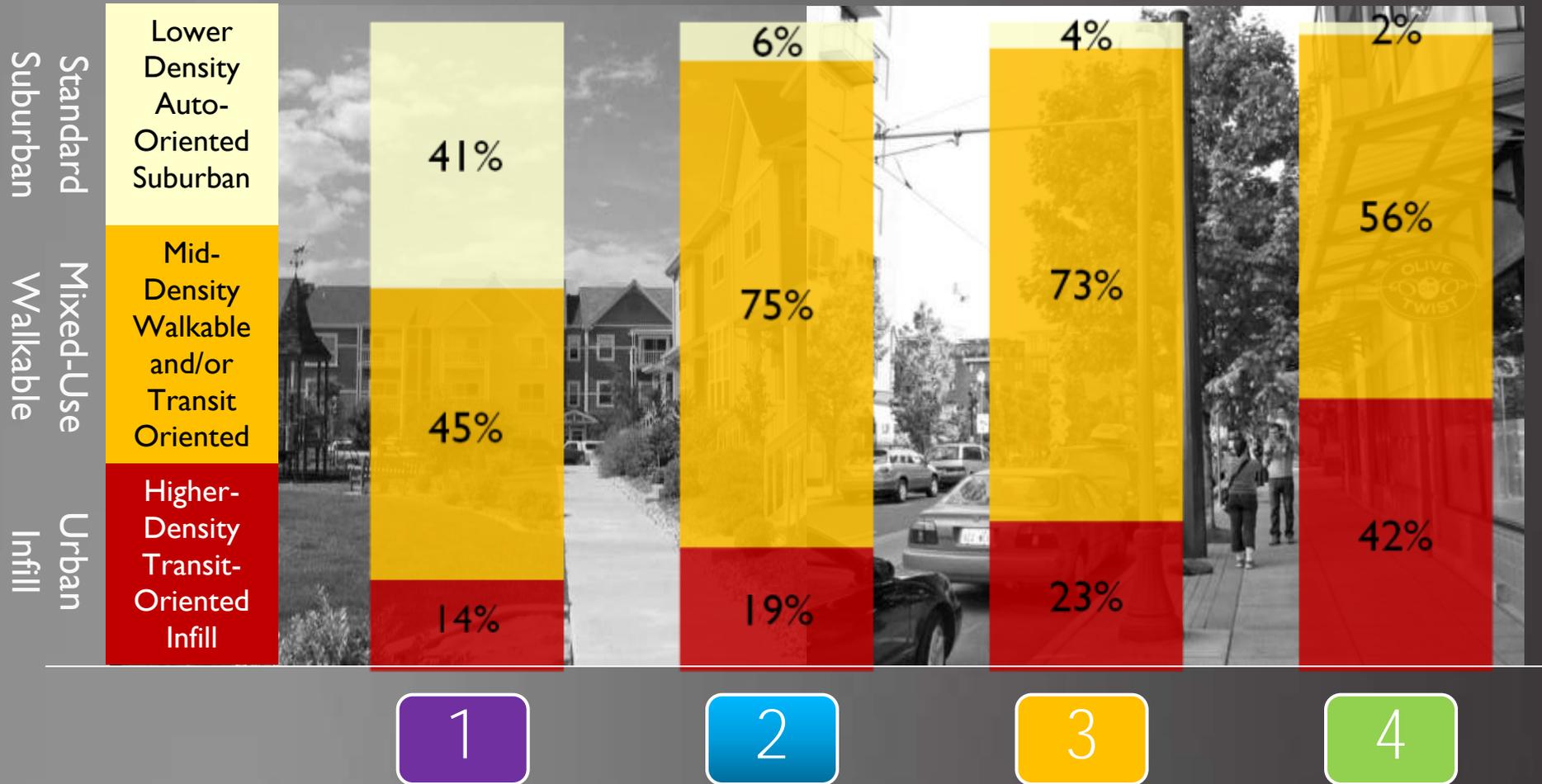
Higher-
Density
Transit-
Oriented
Infill

Development Proportions

New Growth 2008-2035



■ Standard Suburban ■ Mixed-Use Walkable ■ Urban Infill



Housing Product Mix

New Housing Units 2008-2035

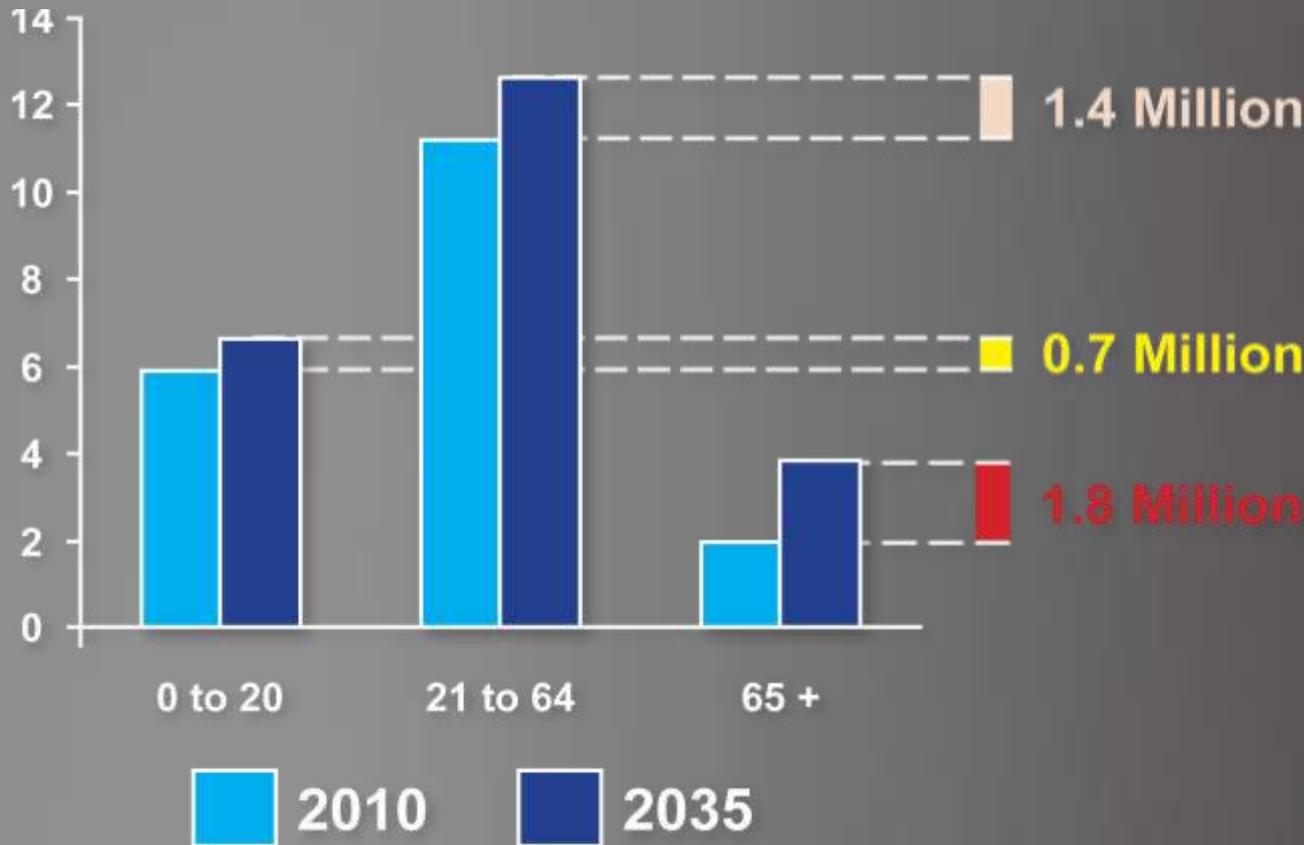


Where is the long-term housing market headed?

Housing Demand Projections for Southern California: 2010 - 2035

Our Aging Population

SCAG Region, 2010 to 2035



Seniors



Over $\frac{1}{2}$
the demand
for new
homes

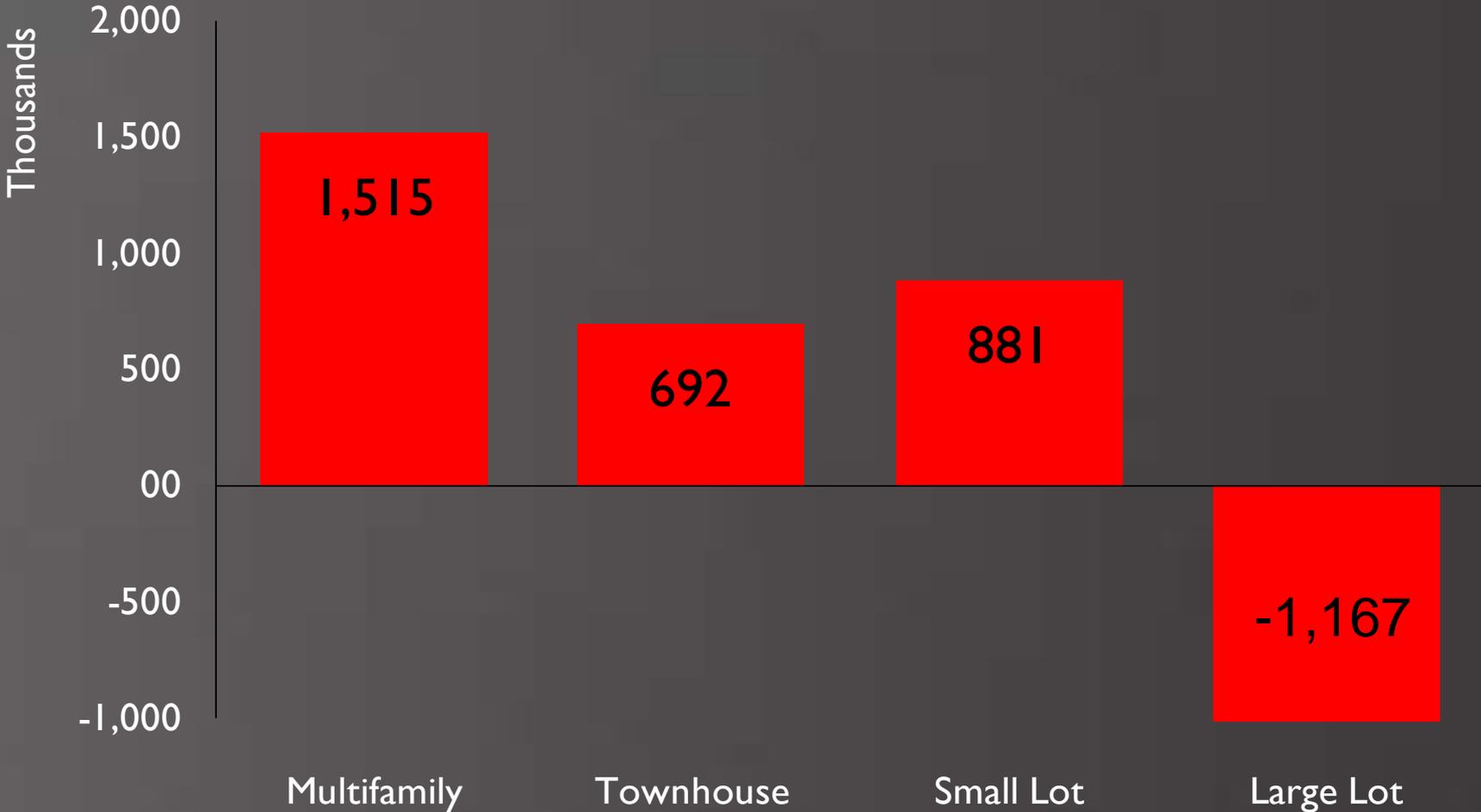
In 2040 **73%** of all
households will be
without children

Note: Percentages do not add to 100% due to rounding

Source: SCAG, Local Input/General Plan Growth Forecast, March 2010

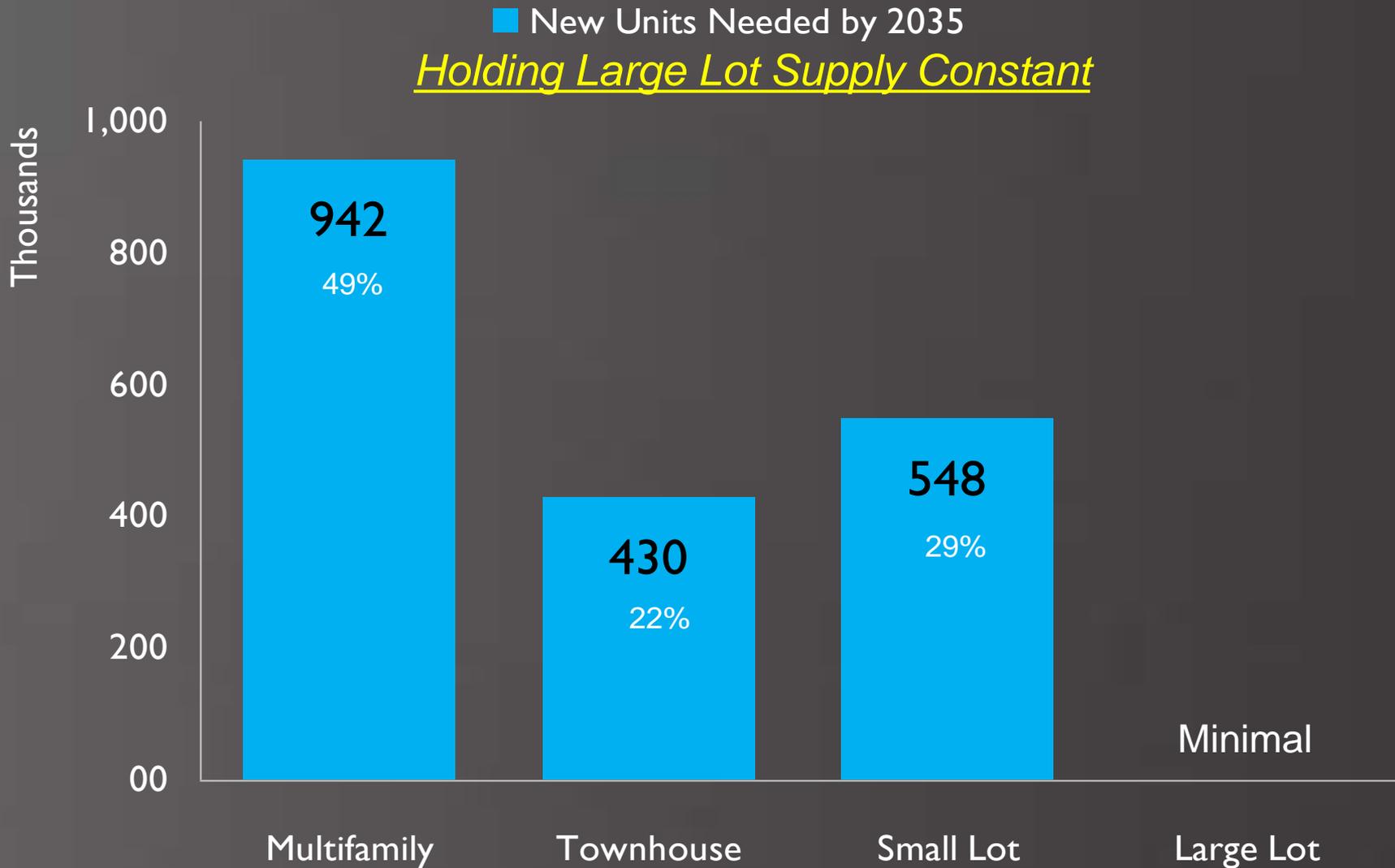
SCAG Housing Demand 2035

■ New Units Needed by 2035



Source: AC Nelson. The Shape of Metropolitan California in the 21st Century: Outlook to 2020 and 2035

SCAG Planning **Bottom Line** 2035

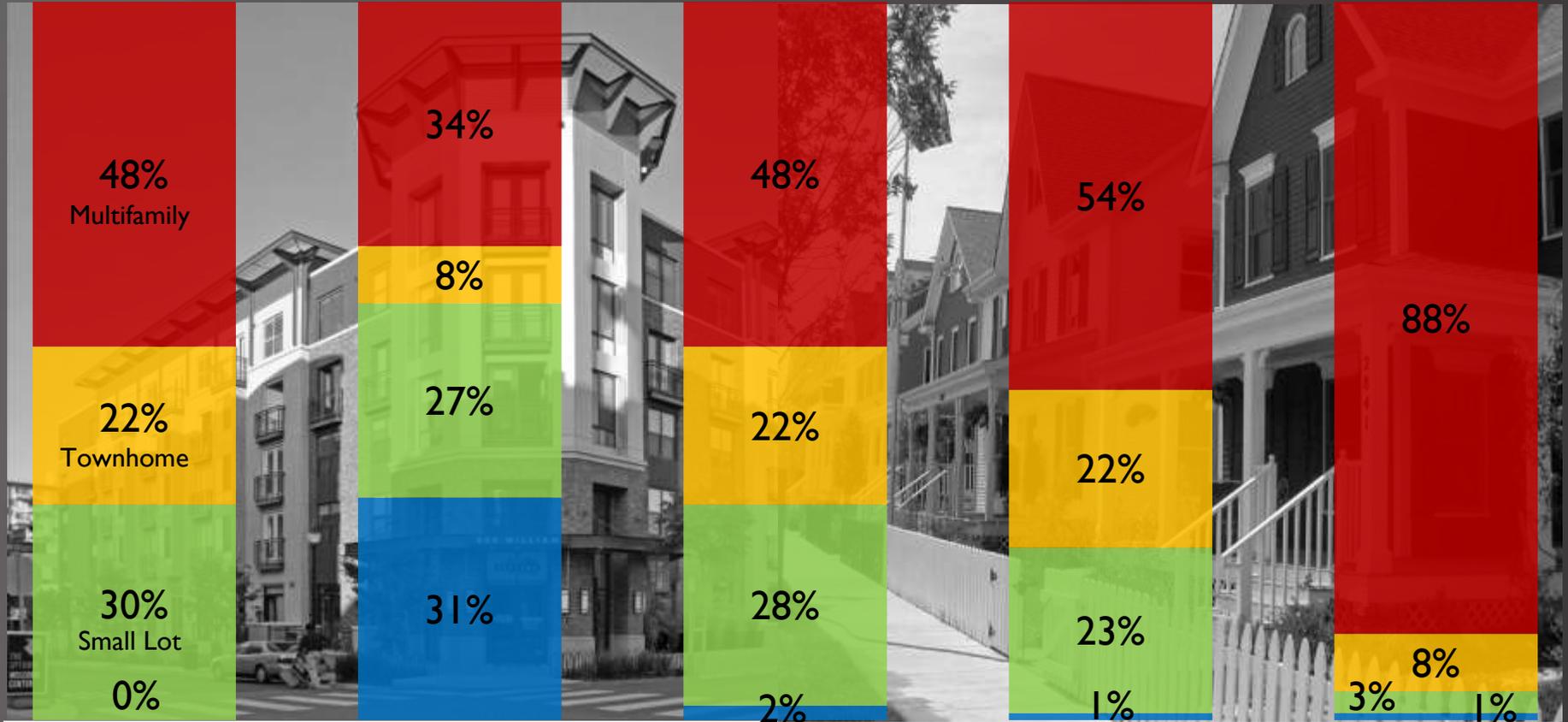


Housing Product Mix

New Housing Units 2008-2035



■ Multifamily ■ Townhome ■ Small Lot Single Family ■ Large Lot



Anticipated Demand

1

2

3

4

Housing Product Mix

All Housing Units in 2035 (Existing + New)



■ Multifamily
 ■ Townhome
 ■ Small Lot Single Family
 ■ Large Lot



Existing
(2008)

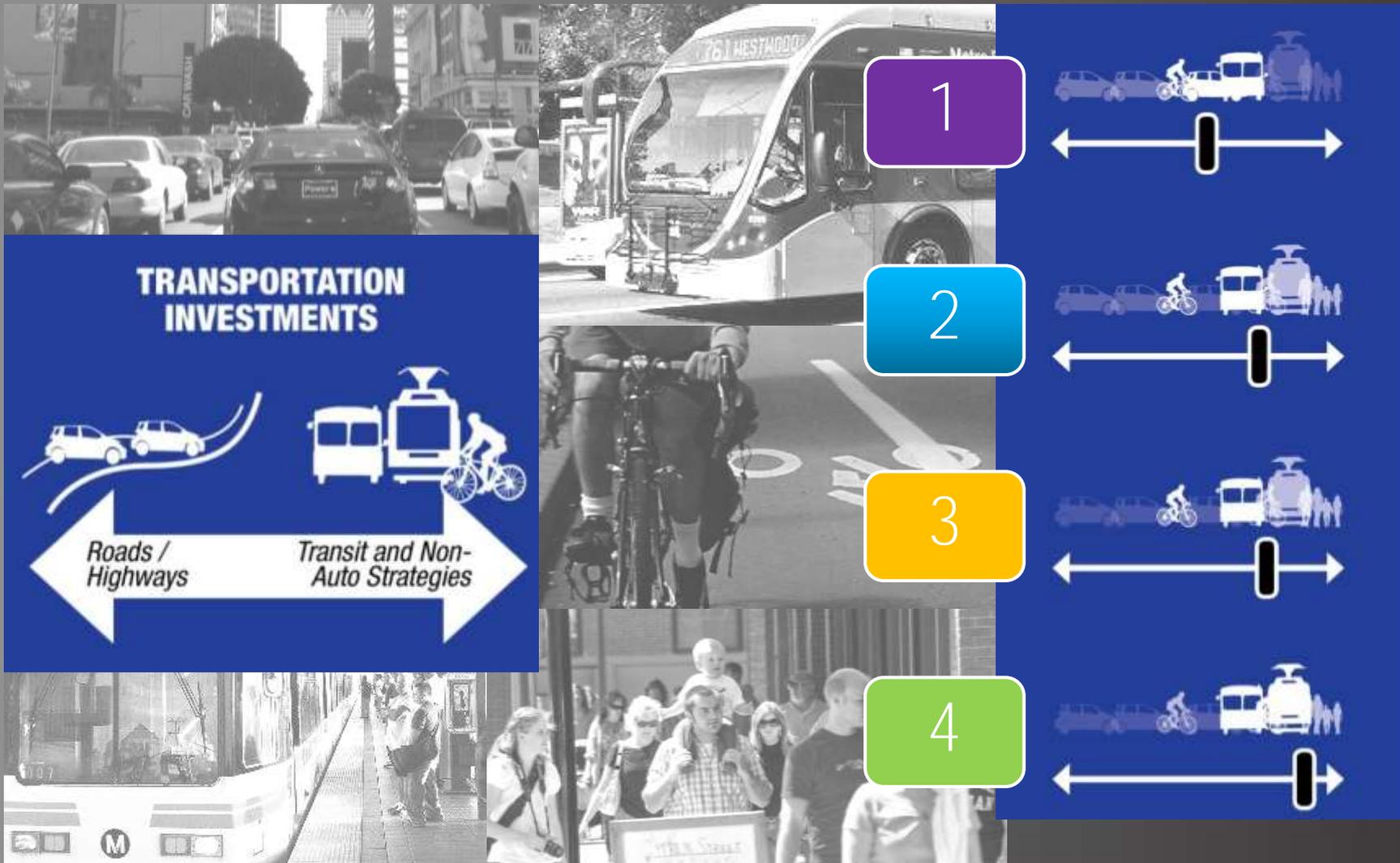
1

2

3

4

Transportation Investments



Types of Transportation Investments



1. Bus Rapid Transit
2. Light and Heavy Rail
3. High Speed Rail
4. Highway Expansion:
 1. Lanes
 2. Carpool / Hot Lanes
 3. Interchange Improvements
5. Local Arterial Improvements
6. Transportation System Preservation
7. Truck Ways
8. Freight Rail Improvements
9. Operation and Maintenance:
 - Highway and Arterials
 - Transit
10. Bike and Pedestrian Facilities
11. Transportation Demand Management Investments
12. Transportation System Management Investments

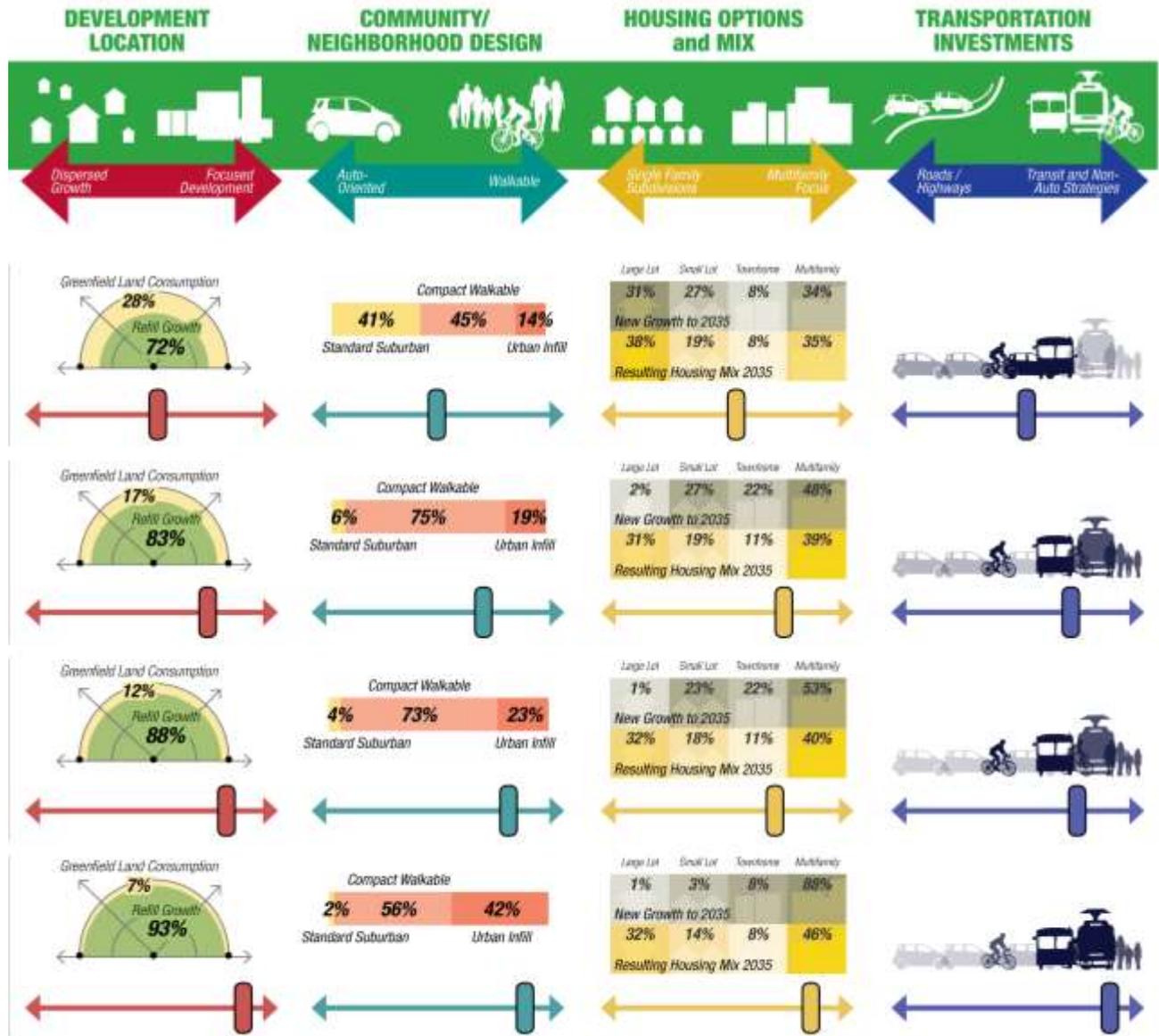
Scenarios Snapshot

1

2

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4





How The Scenarios Compare

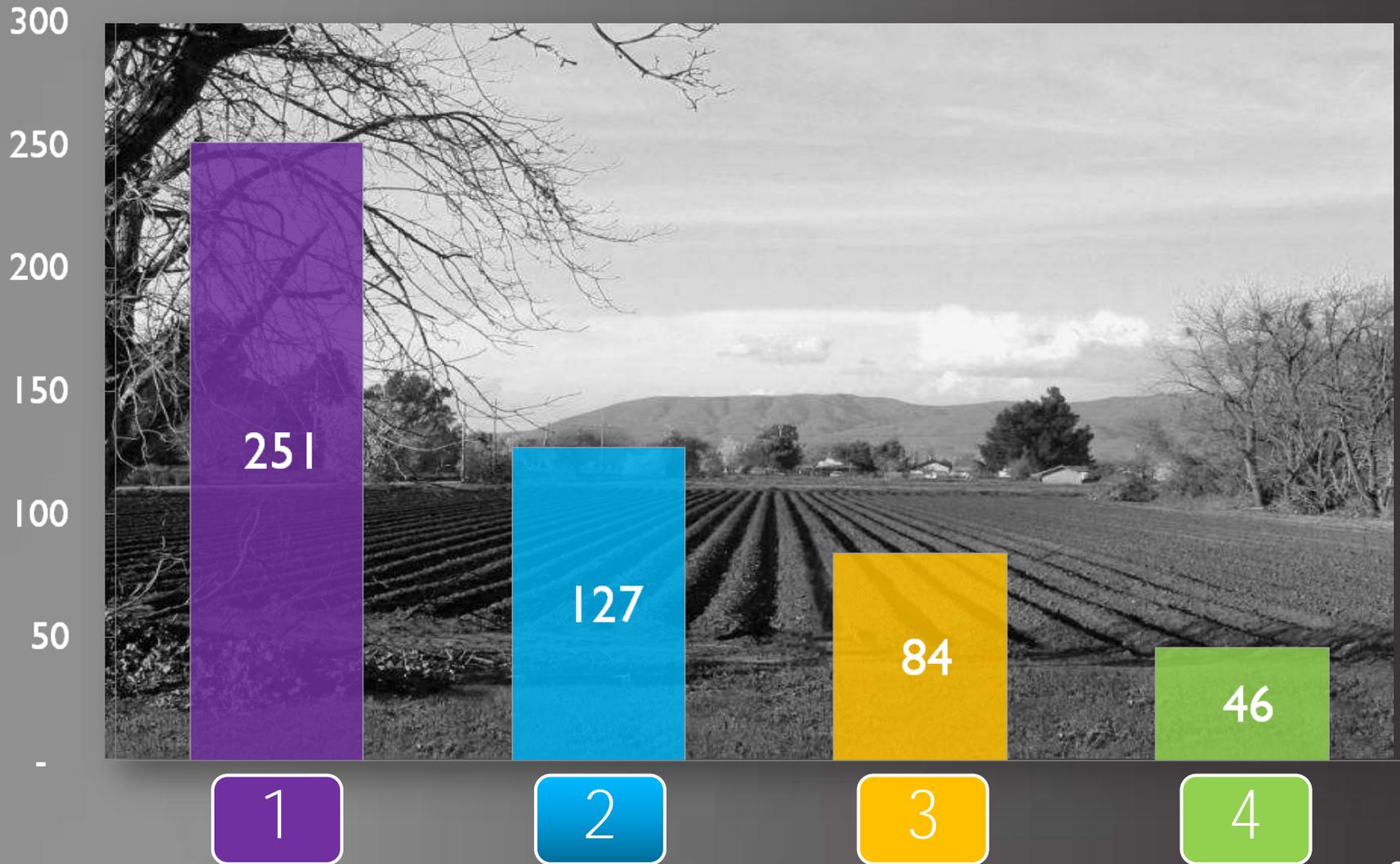
Land Consumed

Square Miles



Land Consumed

Square Miles



Local Infrastructure Costs

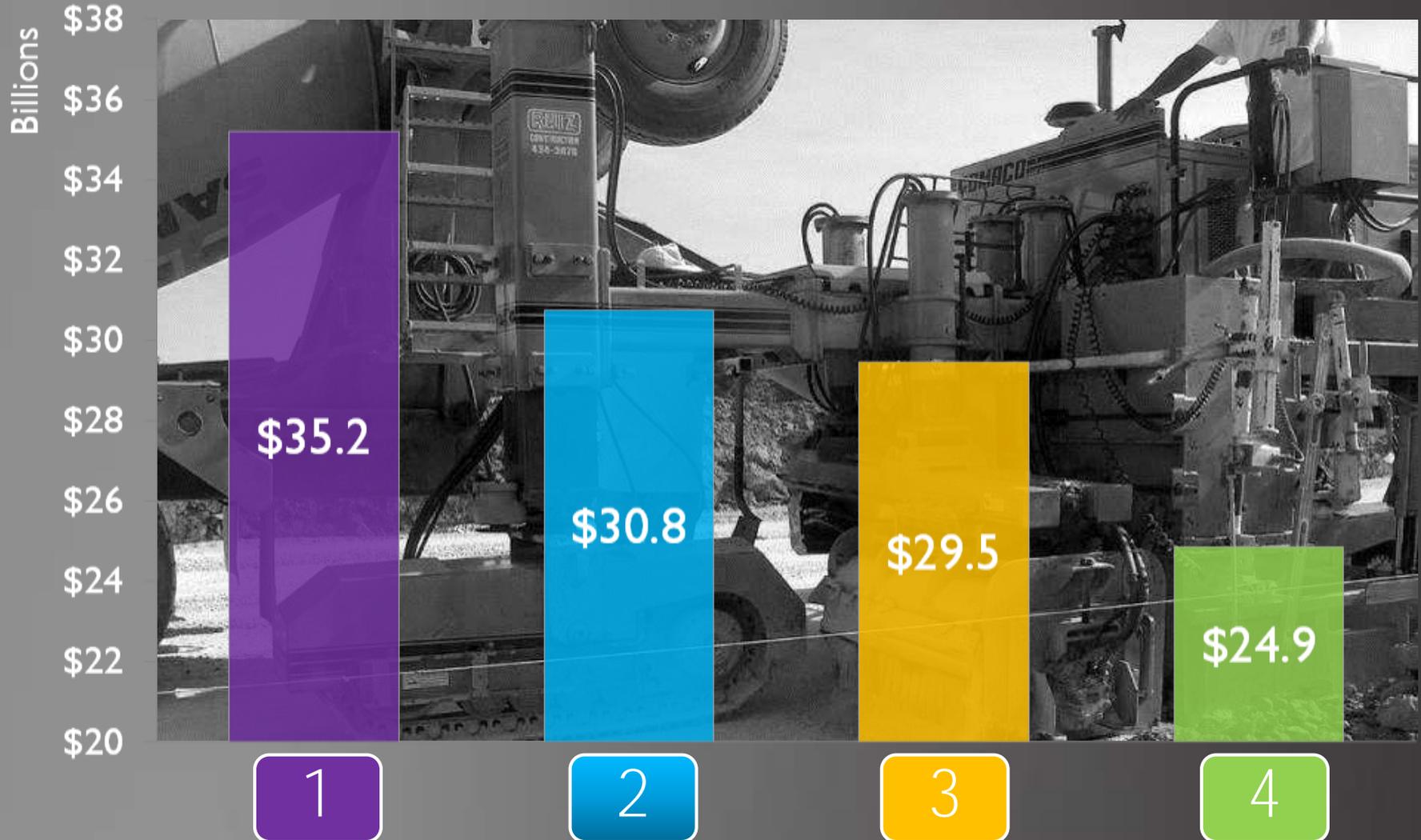
Capital & Operations & Maintenance Costs for New Growth, 2008-2035



Includes capital costs and general fund O&M expenditures for local roads, wastewater and sanitary sewer, water supply, and parks & recreation

Local Infrastructure Costs

Capital & Operations & Maintenance Costs for New Growth, 2008-2035



Includes capital costs and general fund O&M expenditures for local roads, wastewater and sanitary sewer, water supply, and parks & recreation

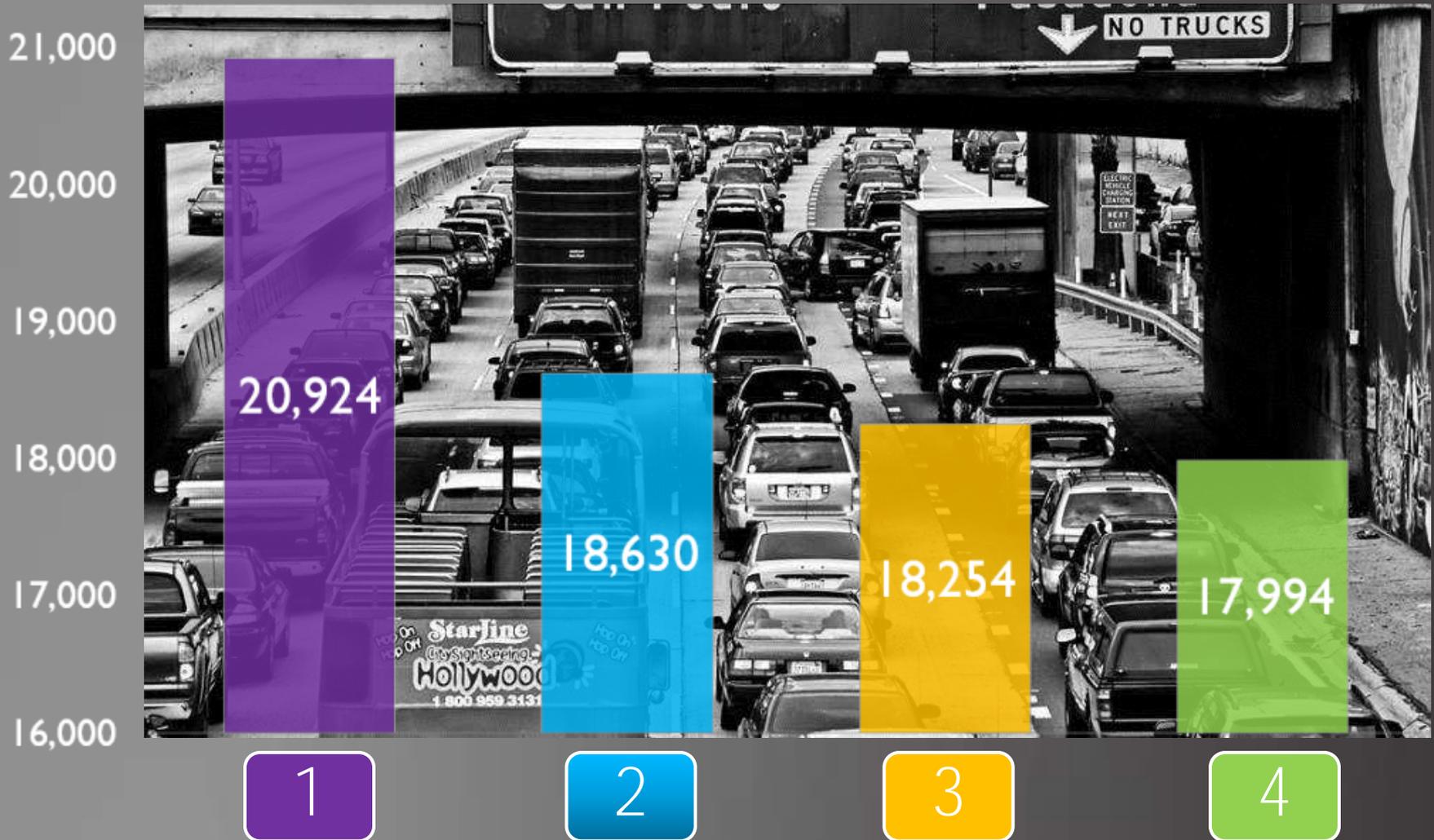
Vehicle Miles Traveled

Annual per household, 2035



Vehicle Miles Traveled

Annual per household, 2035



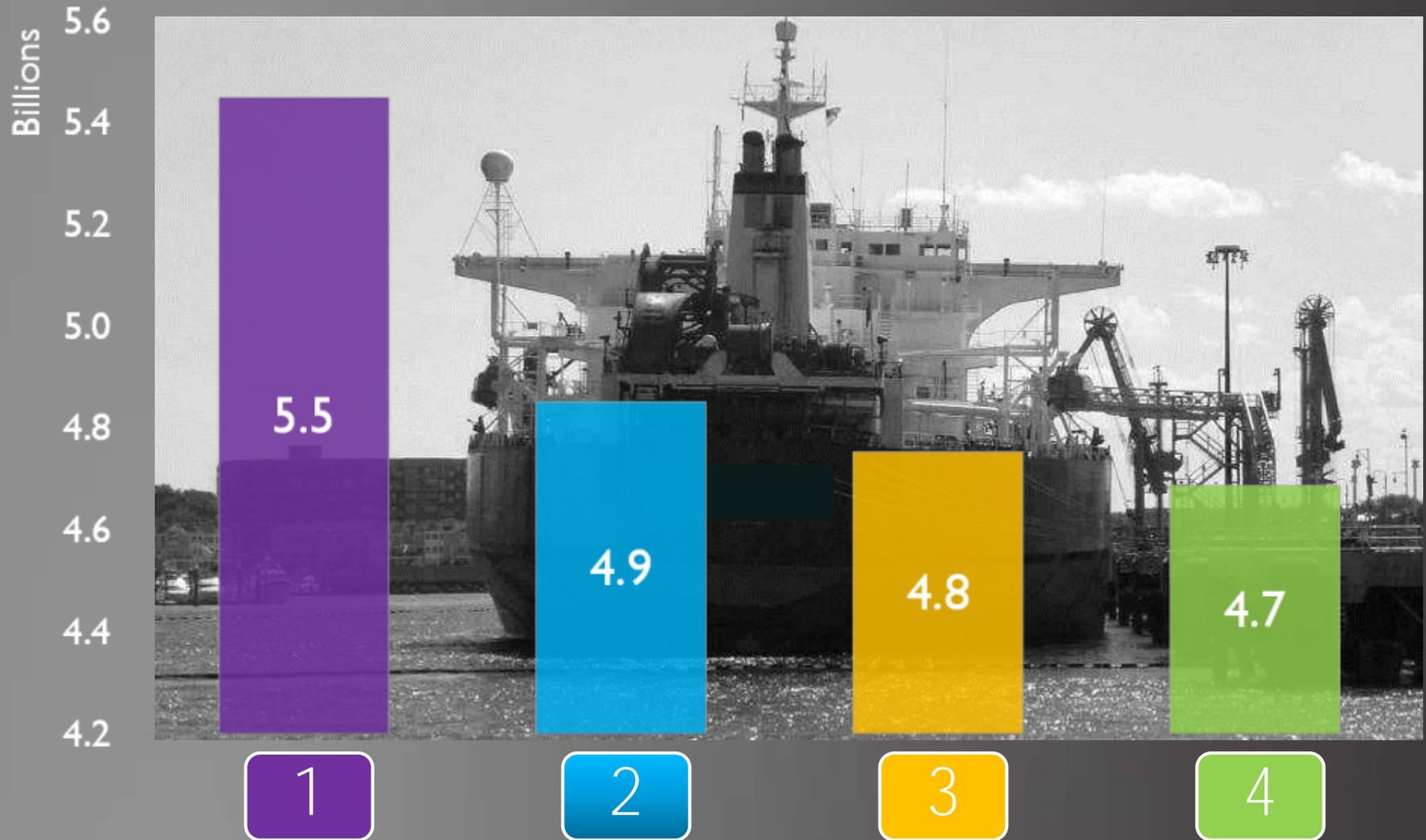
Fuel Consumption

Billions of Gallons, 2035



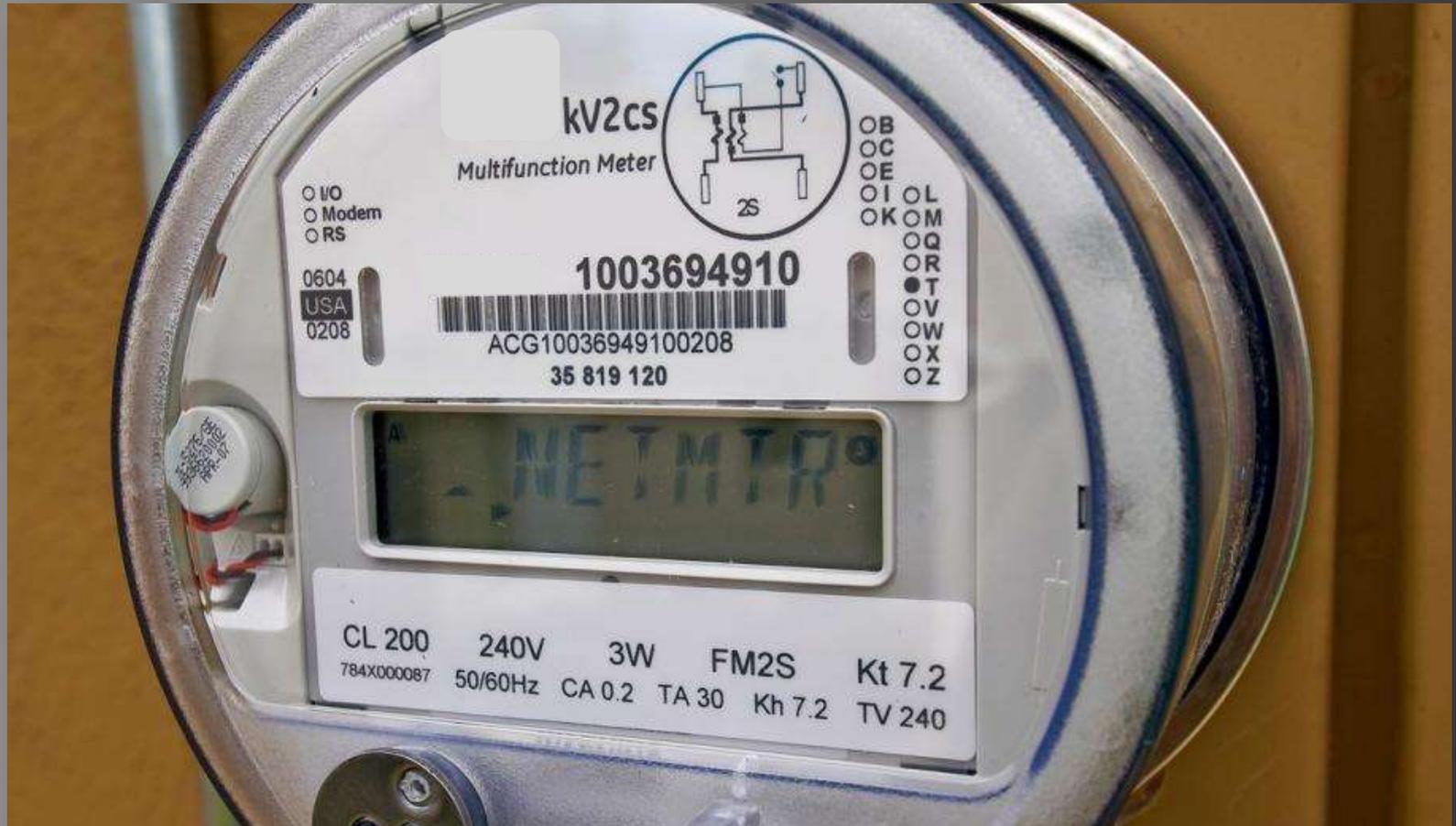
Fuel Consumption

Billions of Gallons, Annual, 2035



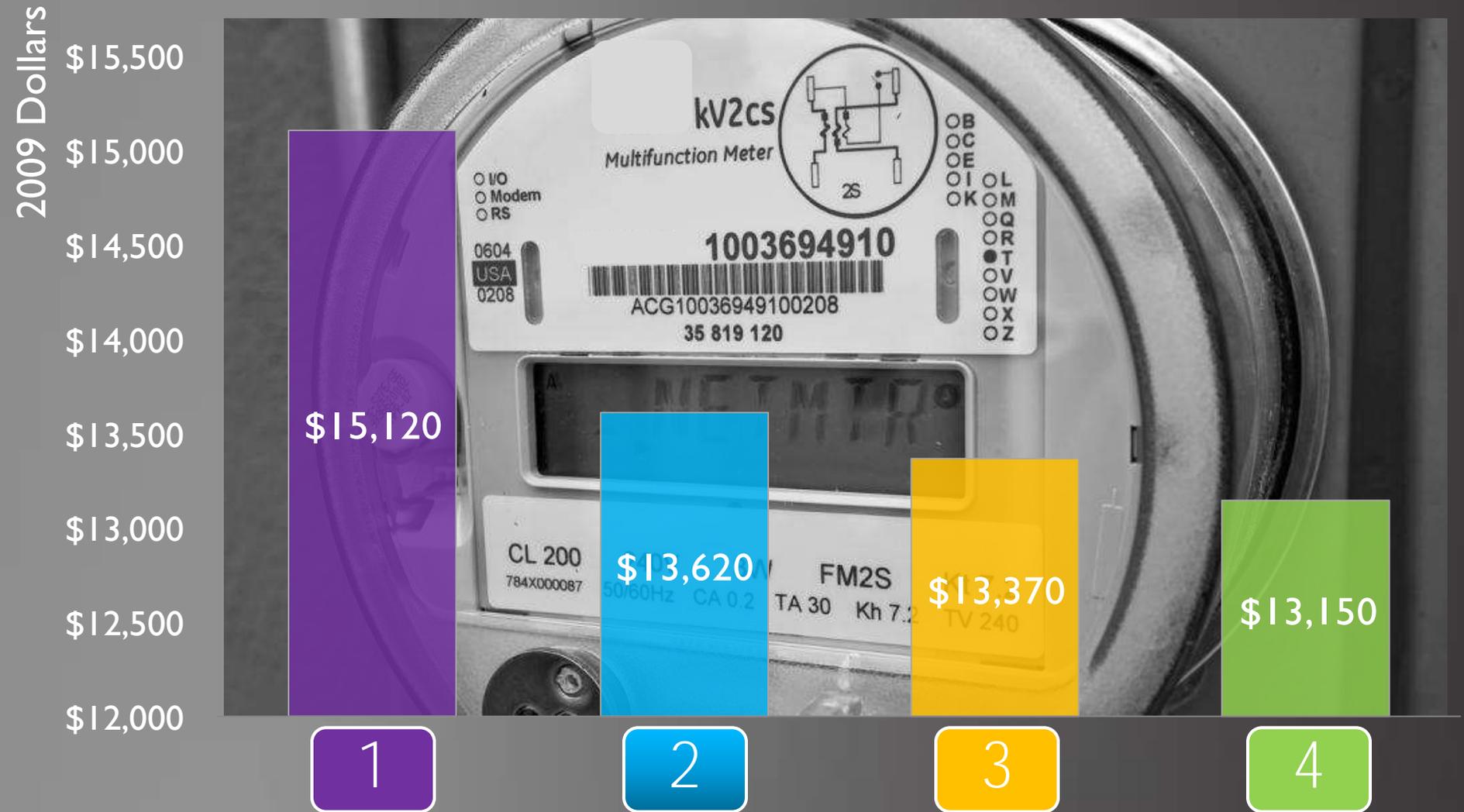
Household Costs

Annual Costs for Transportation, Building Energy, and Water, 2035



Household Costs

Annual Costs for Transportation, Building Energy, and Water, 2035



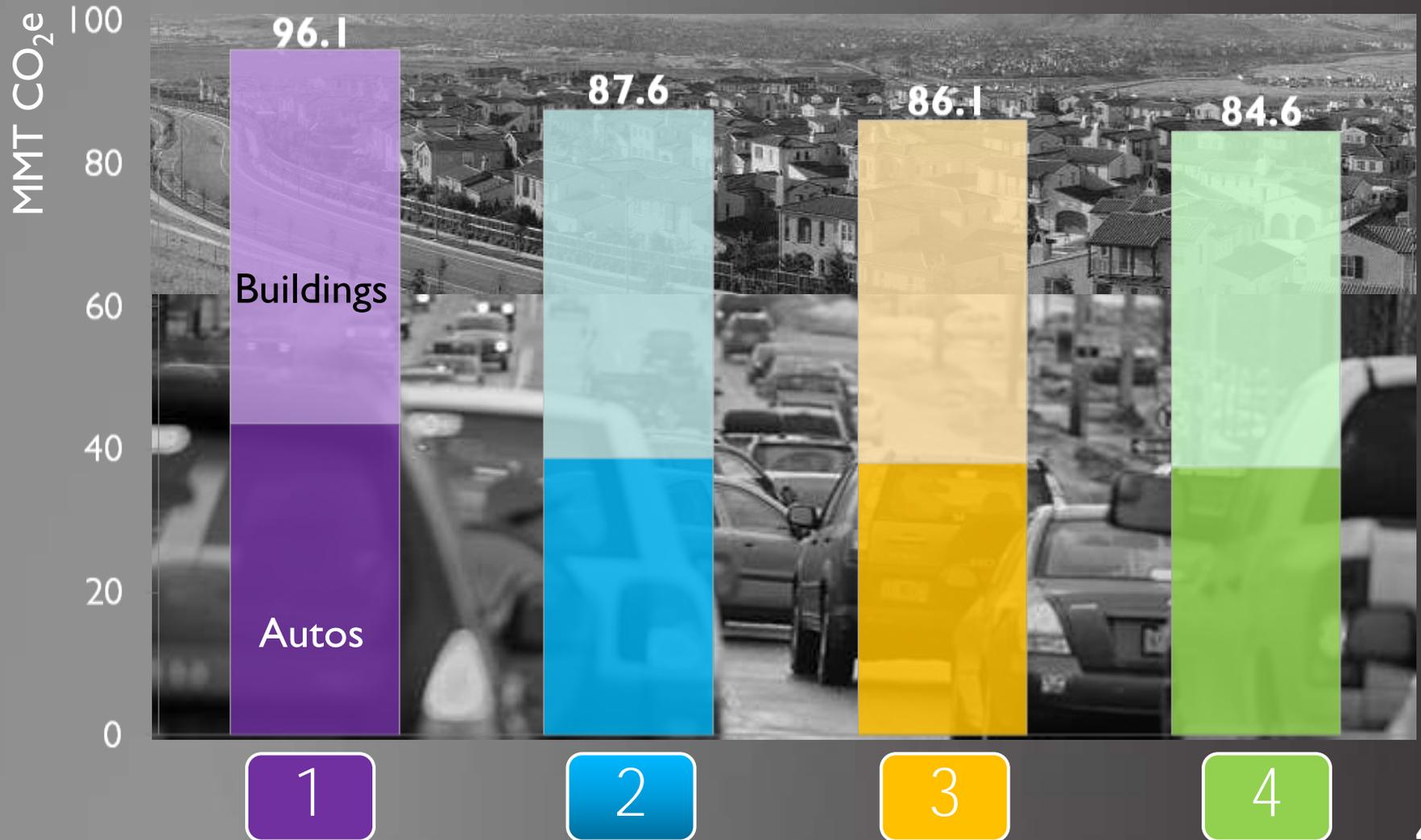
Greenhouse Gas Emissions

Annual Emissions from Buildings and Auto Transportation, 2035



Greenhouse Gas Emissions

Annual Emissions from Buildings and Auto Transportation, 2035



Building Energy Use

Trillion BTU, 2035



Building Energy Use

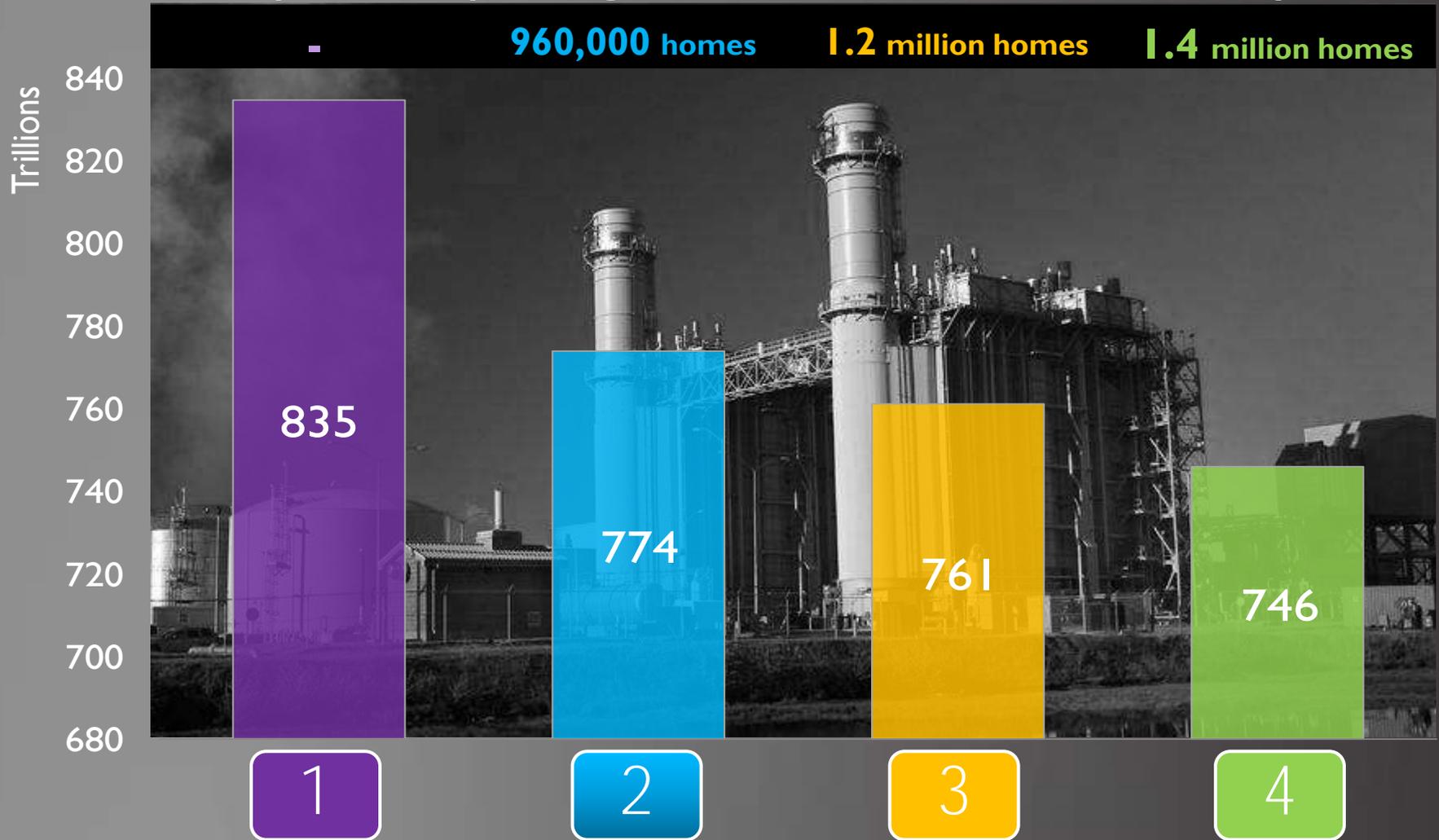
Trillion BTU, Annual, 2035



Building Energy Use

Trillion BTU, Annual, 2035

Equivalent to powering **XX** homes in Southern California for a year



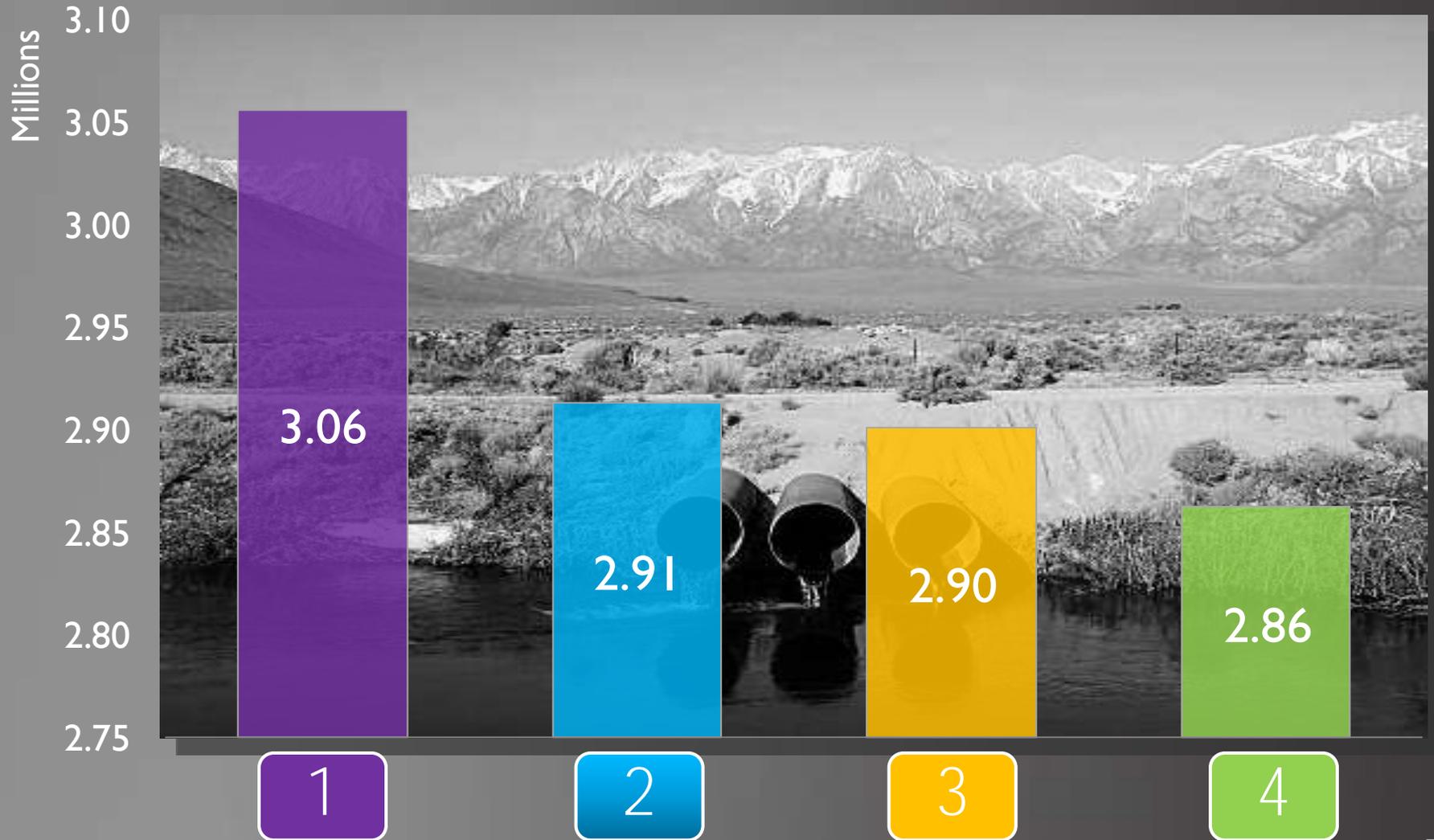
Water Consumption

Acre Feet (Annual in 2035)



Water Consumption

Acre Feet (Annual in 2035)



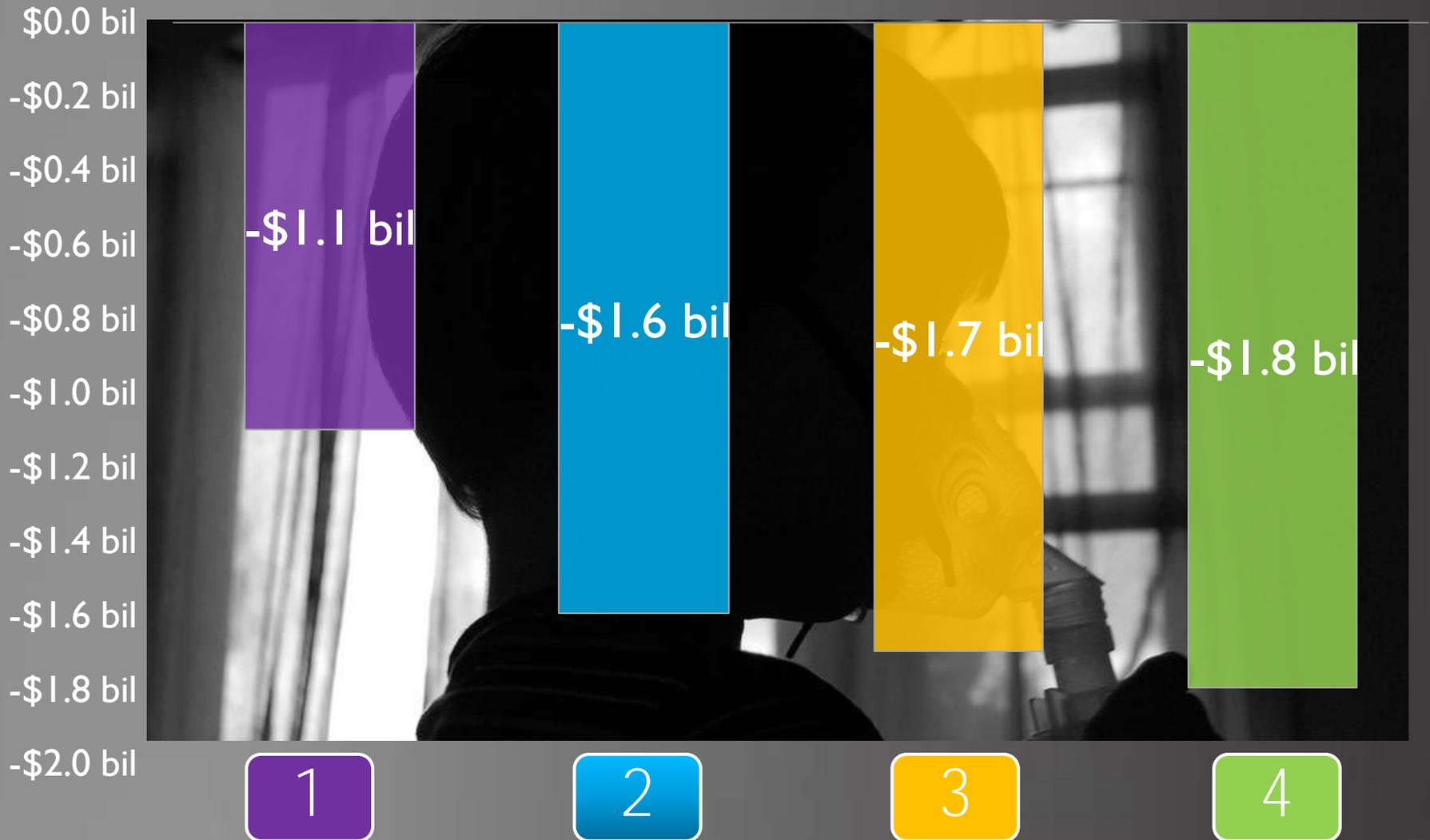
Respiratory Health Impacts

Cost reduction from status quo due to health incidents, Annual in 2035



Respiratory Health Impacts

Cost reduction from status quo due to health incidents, Annual in 2035



A faded background image showing a group of children riding tricycles on a sidewalk. The tricycles are decorated with American flags. A woman is walking behind them. The scene is set in a residential neighborhood with houses and trees.

Objectives for the Regional Transportation Plan

Group Discussion

RTP Objectives: what should the plan work to accomplish?

1. What **Mobility / Accessibility** objectives should we strive for?
2. **Environmental, Health** and **Community** objectives?
3. Which **Modes** of Travel?
4. **Fiscal and Economic** objectives?
5. **Safety** outcomes?
6. **Environmental Justice** outcomes?
7. Other objectives?



Group
Discussion

Group Worksheet

2012 RTP Potential Objectives for the 2012 RTP



Mobility

- _____ 1. Reduce the need to travel long distances
- _____ 2. Reduce commute times
- _____ 3. Keep drives at or near the posted speed limit, reduce congestion
- _____ 4. Make commutes more predictable and reliable
- _____ 5. _____
- _____ 6. _____
- _____ 7. _____

Environmental, Health and Community Impacts

- _____ 8. Reduce demand for fossil-fuels
- _____ 9. Reduce air pollutant emissions for better public health
- _____ 10. Reduce demand for development at the edge of the region
- _____ 11. Encourage revitalization of existing communities and infrastructure
- _____ 12. _____
- _____ 13. _____
- _____ 14. _____
- _____ 15. _____

Modes of Travel

- _____ 16. Create more travel choices in more places: driving, riding, walking, biking
- _____ 17. Enable more people to ride public transportation
- _____ 18. Enable more people to walk and bike for daily needs
- _____ 19. Serve more parts of the region with high capacity roadways
- _____ 20. _____
- _____ 21. _____
- _____ 22. _____

Fiscal and Economic Considerations

- _____ 23. Help our economy thrive and be resilient (e.g., despite energy price spikes)
- _____ 24. Keep governmental transportation expenditures low
- _____ 25. Minimize household transportation expenditures (how much it costs me to get around)
- _____ 26. Prioritize the most cost effective transportation investments
- _____ 27. Improve the movement of freight through the region
- _____ 28. _____
- _____ 29. _____
- _____ 30. _____

Safety

- _____ 31. Improve safety for people who walk, take transit, or bike
- _____ 32. Improve safety for drivers
- _____ 33. _____
- _____ 34. _____

Environmental Justice

- _____ 35. Help all residents, not only drivers, get around
- _____ 36. Avoid disproportionate impacts on lower income communities
- _____ 37. _____
- _____ 38. _____

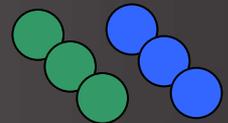
Other

- _____ 39. _____
- _____ 40. _____
- _____ 41. _____
- _____ 42. _____
- _____ 43. _____

Group Discussion Steps



1. Add to an initial list of objectives for the RTP
2. Individually, place an orange dot next to your top priority objective
3. Discuss as a group
4. Individually, place 6 small dots based on your priority objectives
5. Identify your group's overall priorities to be shared



Ground Rules

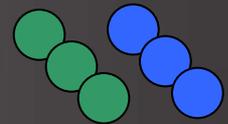


1. Be respectful of each other's right to be heard
2. Focus on related topics to the regional transportation plan
3. Your facilitator is neutral
4. Feel free to also record your personal ideas on comment cards

Group Discussion Steps



1. Add to an initial list of objectives for the RTP
2. Individually, place an orange dot next to your top priority objective
3. Discuss as a group
4. Individually, place 6 small dots based on your priority objectives
5. Select a spokesperson to report your group's priorities to overall participants



Keypad Polling



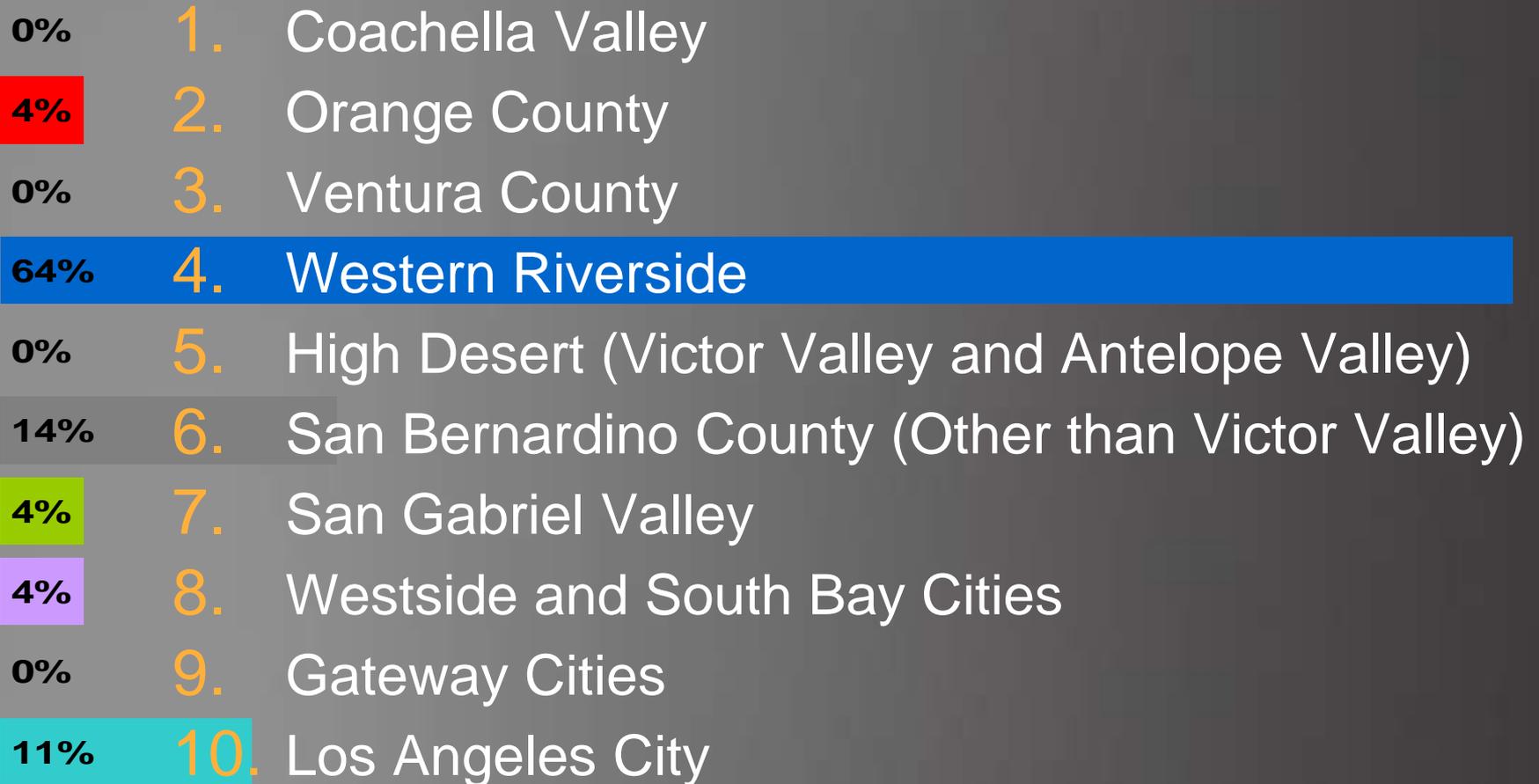
Have you ever lied to your mother?

- 21% 1. Never...Honest!
- 4% 2. Only once and I paid for it dearly.
- 7% 3. Only a couple of times.
- 4% 4. Yes, but I was young and candy was involved.
- 29% 5. I prefer to call it a “stretching of the truth”
- 18% 6. Only when it was in her best interest.
- 0% 7. Yes, but my brother/sister made me do it!
- 18% 8. Too many times to count!

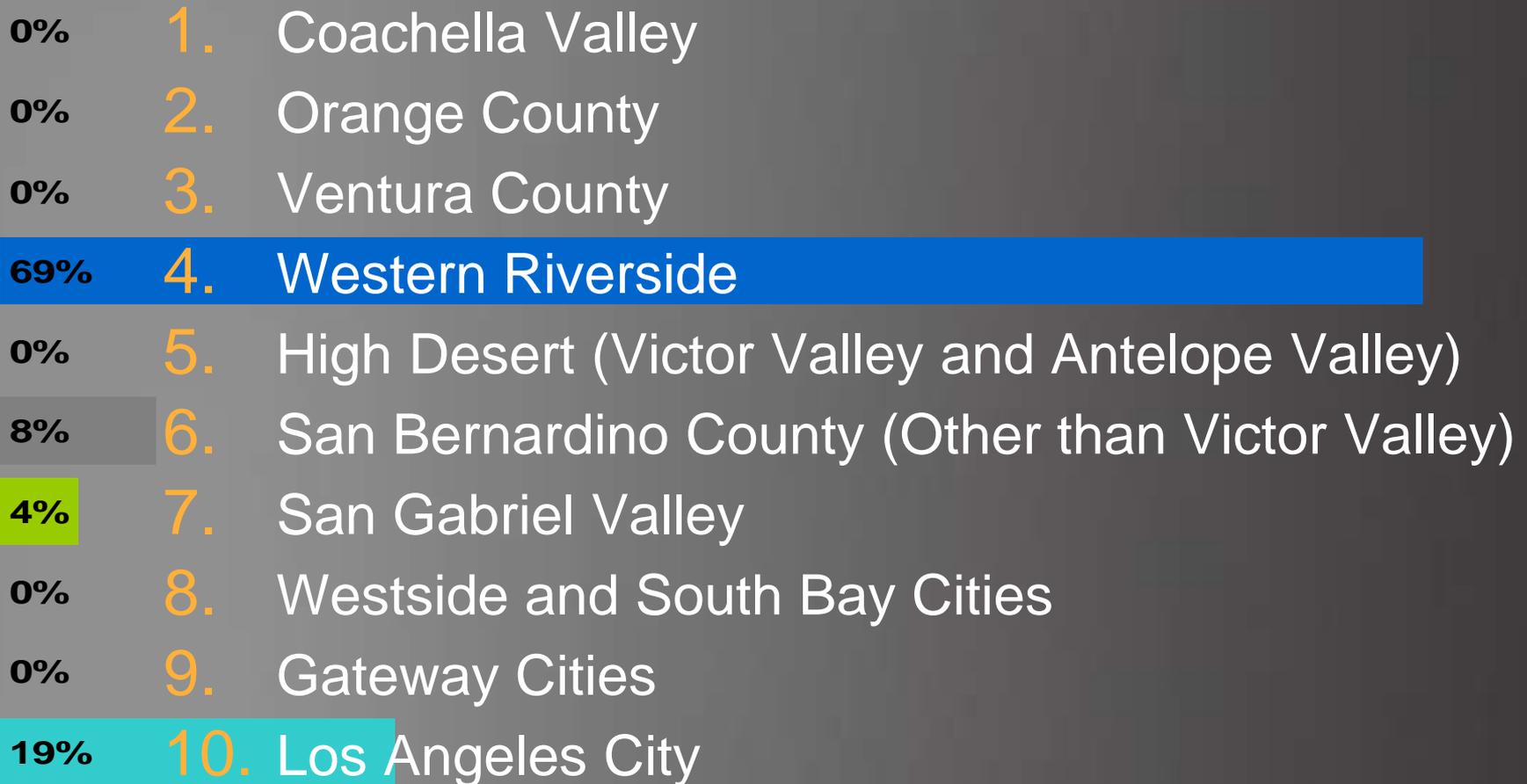


A few preliminary questions...

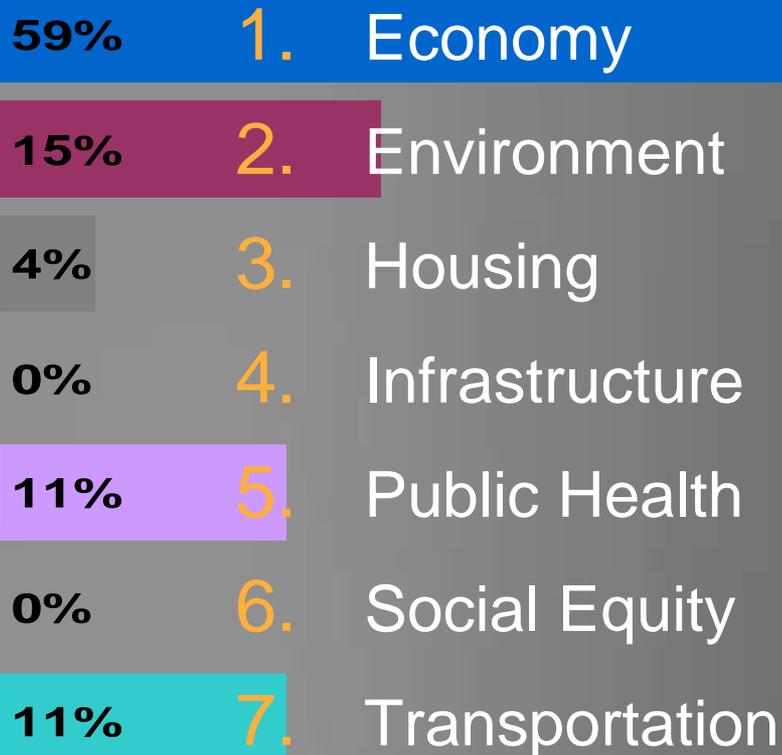
II. Which part of the region do you live in



III. Which part of the region do you work/go to school?



IV. What is the first most important priority in Southern California?



V. What is the second most important priority in Southern California?

15% 1. Economy

33% 2. Environment

4% 3. Housing

19% 4. Infrastructure

7% 5. Public Health

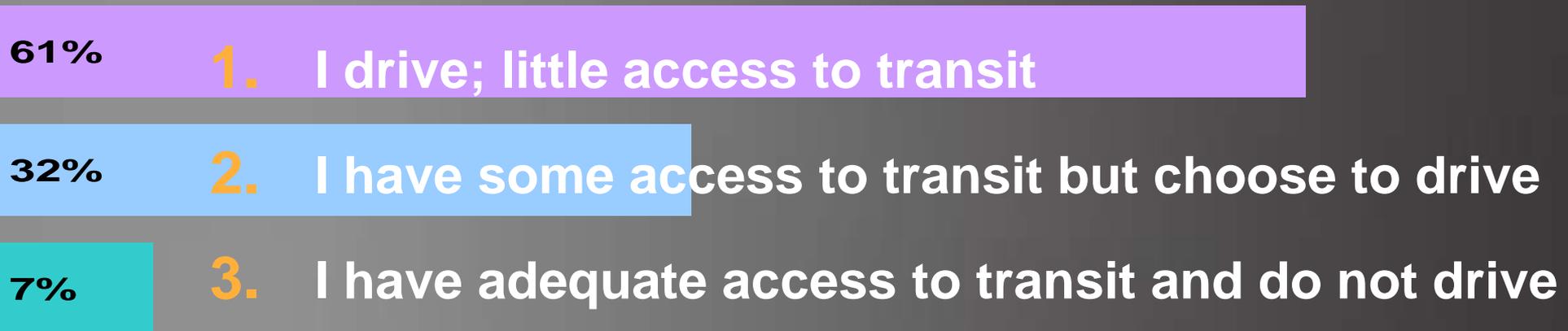
0% 6. Social Equity

22% 7. Transportation

VI. Which statement best describes your daily commute?

- 74% 1. I primarily drive alone.
- 0% 2. I primarily walk or bike to common destinations.
- 4% 3. I primarily carpool.
- 7% 4. I primarily use public transportation.
- 15% 5. I do not commute.

VII. Which statement describes your access to transportation options?



VIII. What is the biggest barrier to using public transportation?

- 25% 1. Does not stop near my home.
- 43% 2. Does not go where I need.
- 14% 3. Does not come frequently enough or run late enough.
- 0% 4. Too crowded, I do not enjoy riding.
- 0% 5. Too expensive for my budget.
- 18% 6. None of the above..



Transportation Investments

Investment in Roads and Transit

Projected Costs FY2007 to 2036



Public
Transportation



Highways



IX. The RTP should invest most of its money into roads and highways.



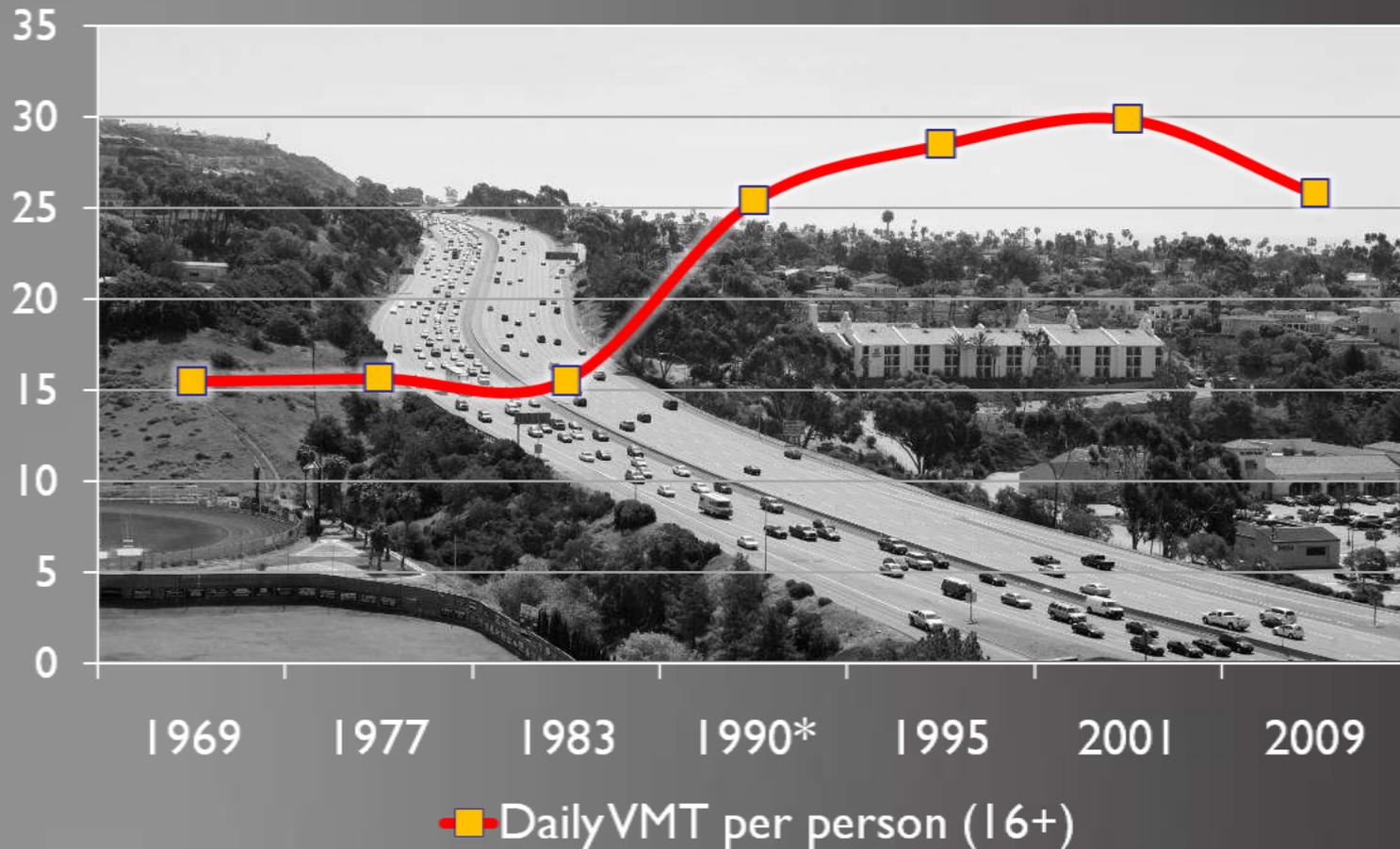
X. The RTP should invest in a mix of transportation options, including road, highway, rail transit, express bus and bicycle/pedestrian.



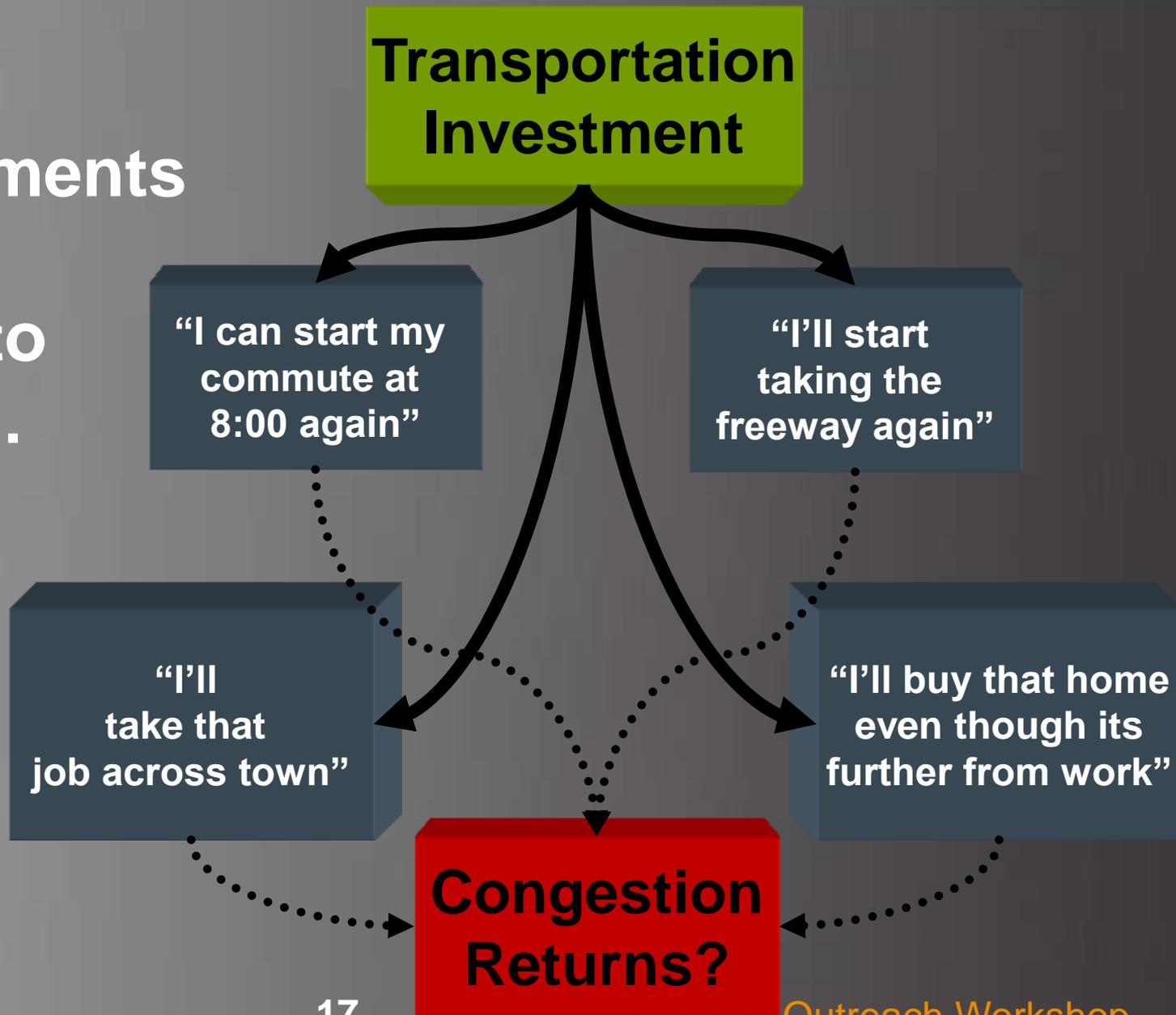
XI. The RTP should invest most of its money into rail transit, express bus and bicycle/pedestrian.



Driving Distances in Southern California



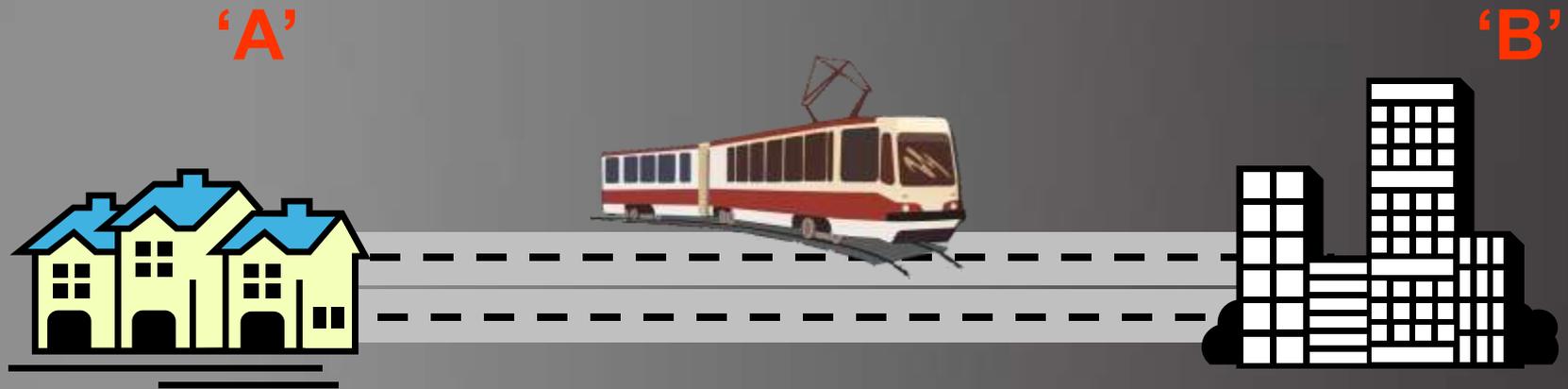
Traffic improvements can be difficult to sustain...



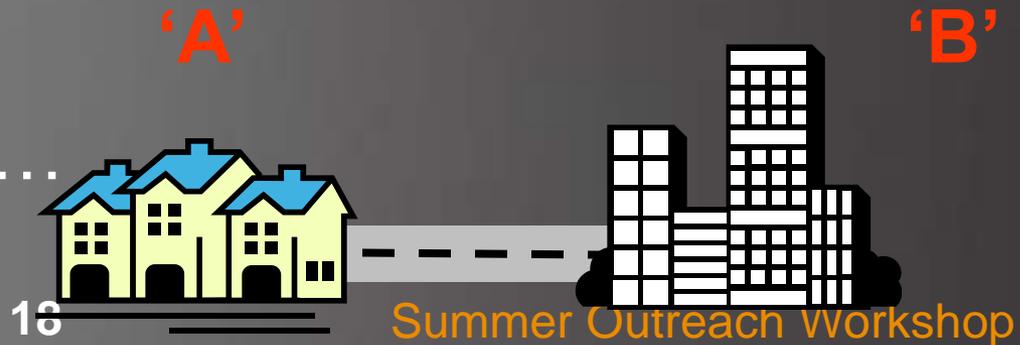
Two Approaches to Improve Mobility

(the time it takes to get from A to B)

- Create faster ways to get from A to B...



- Bring A closer to B...



Spectrum of Strategies for Mobility

Adding Supply



- New cross town routes
- New lanes
- Carpool lanes
- Telecommuting
- Development near transit
- Walkable communities
- New homes in job centers



Reducing Demand

XII. The RTP should focus relatively more on expanding ways to travel more quickly, or reduce distances traveled?

14%

1.

Expand Mobility (expand roads and transit)

64%

2.

Balance between 1 and 3

21%

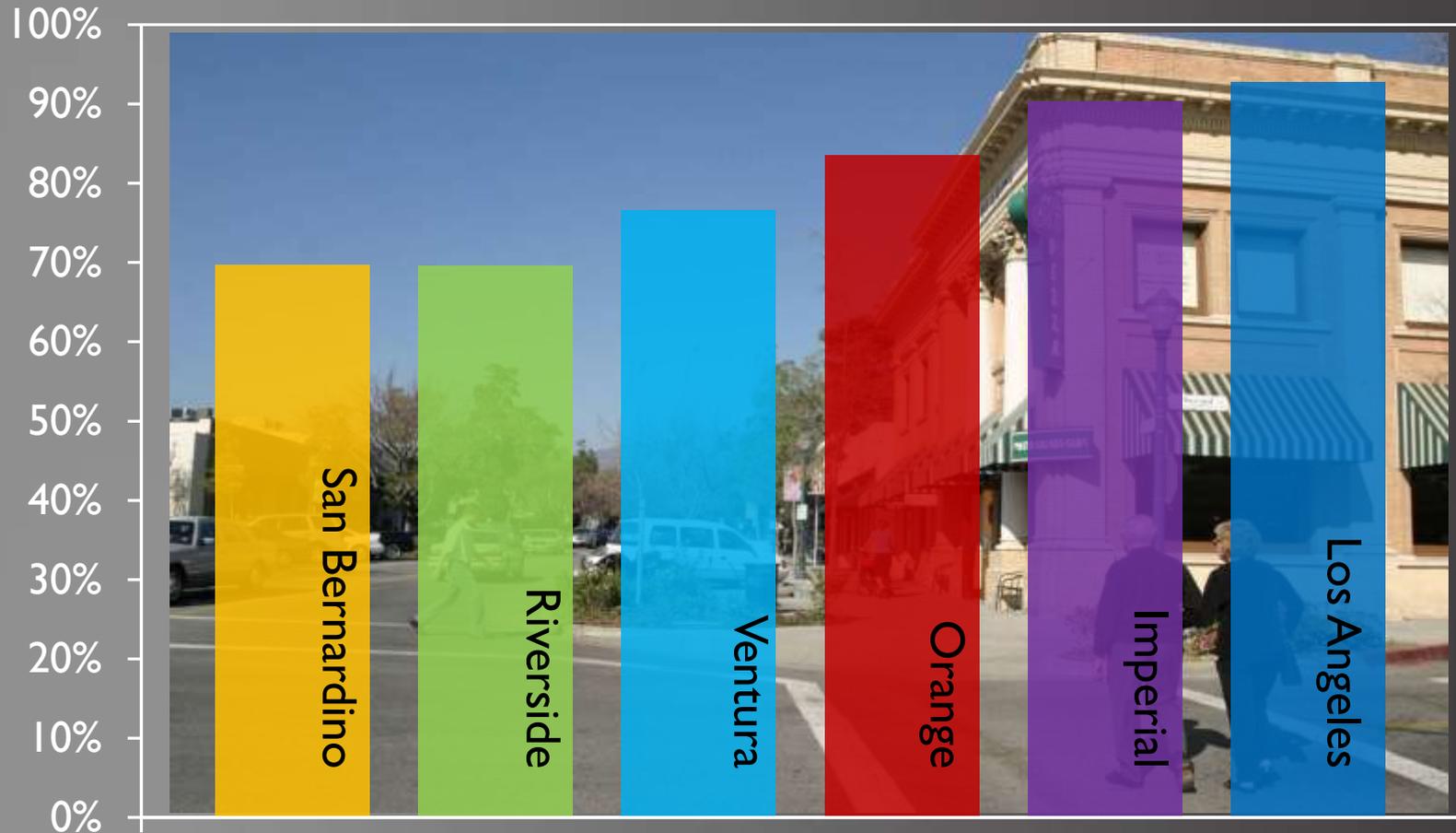
3.

Focus most on reducing distances traveled



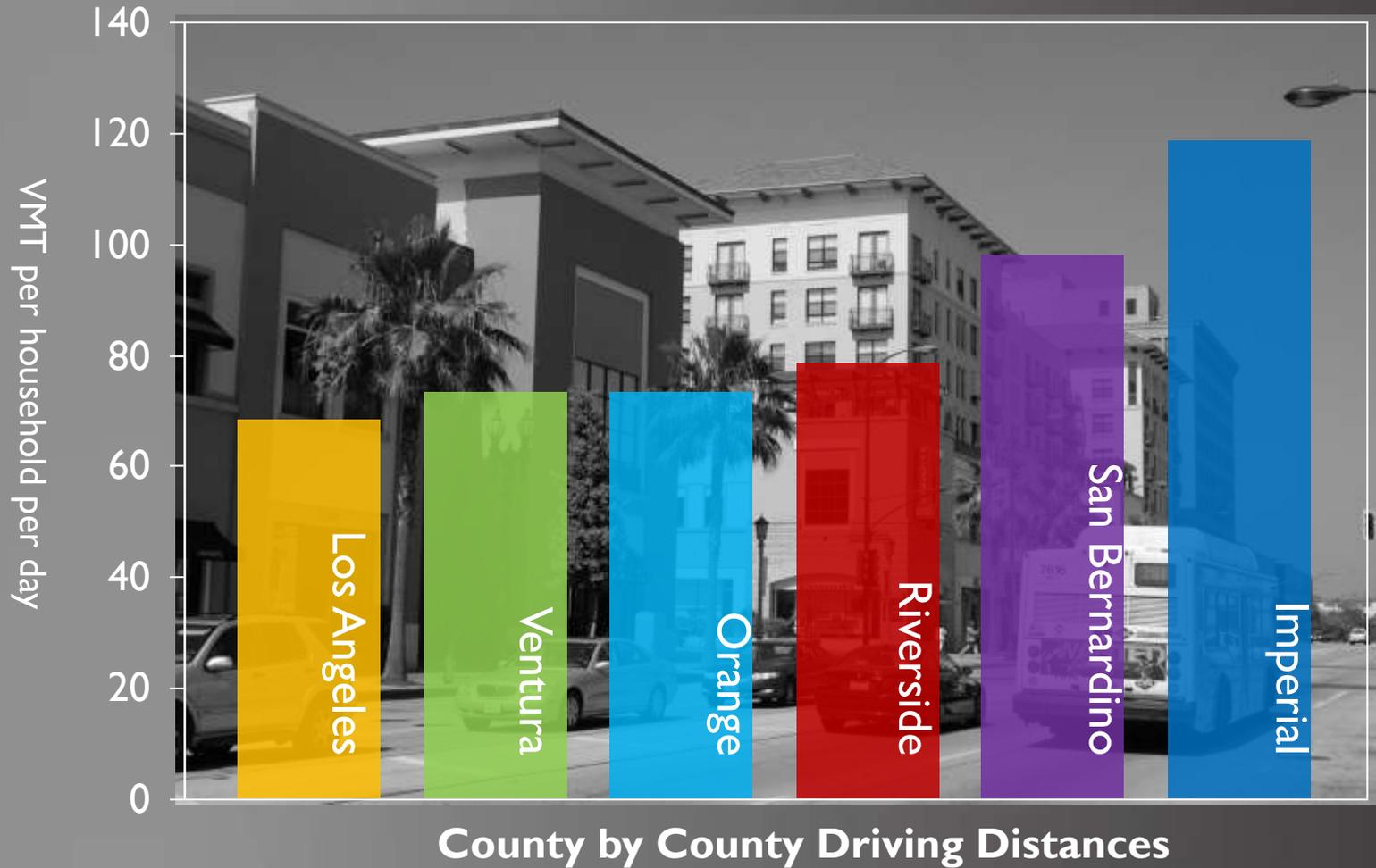
Balancing Jobs With Housing?

Opportunities to Work Near Where We Live

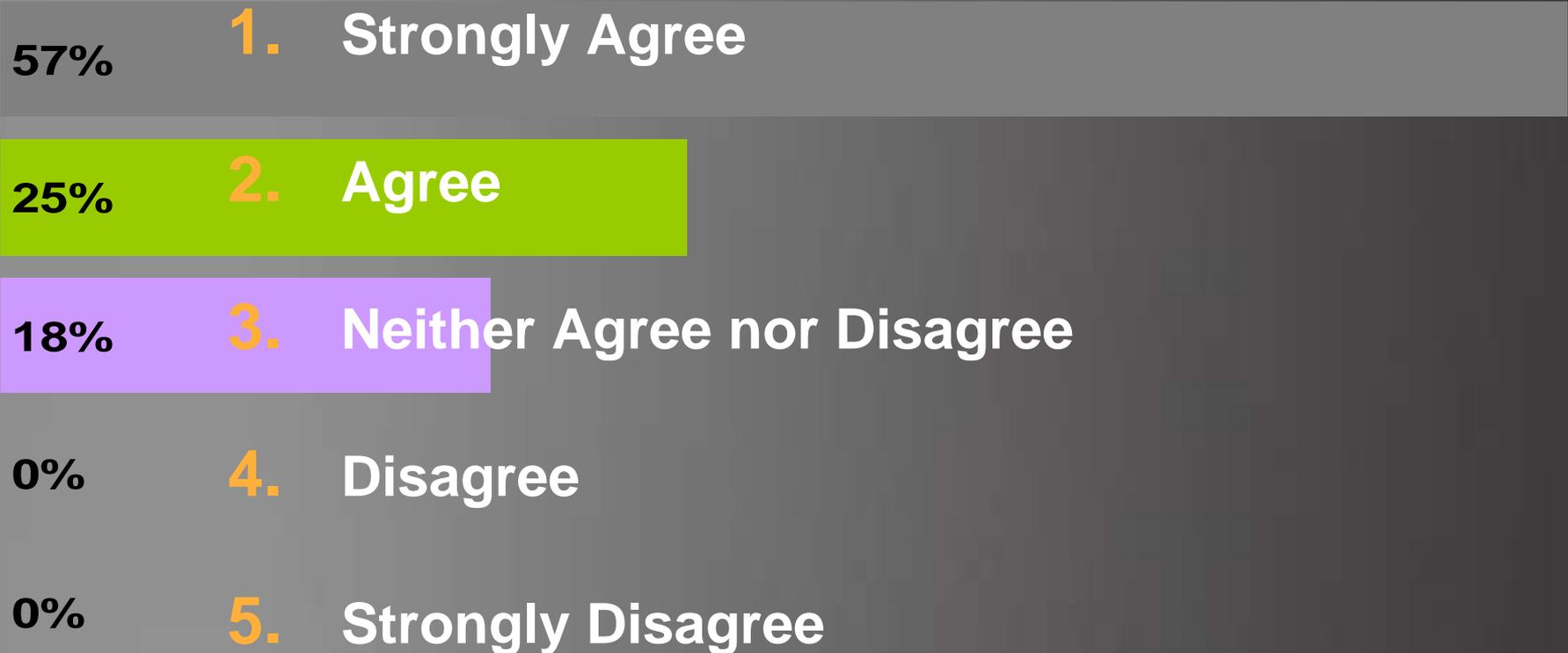


Residents that work in home county

Growth's Impacts Vary By Location



XIII. Encourage more employment growth in or near residential communities.



XIV. Encourage more residential growth in or near employment centers.

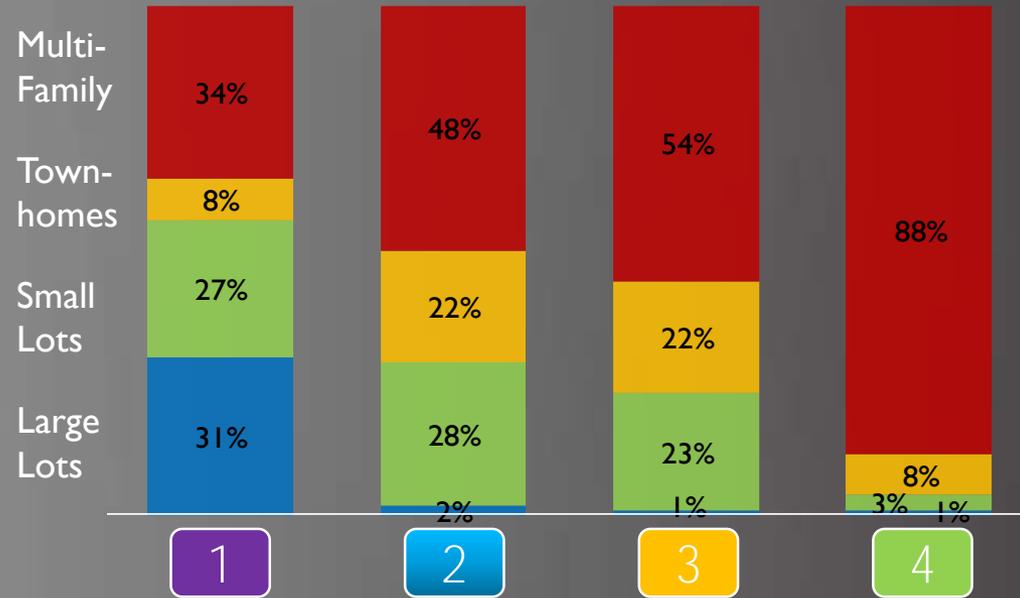


A row of modern, multi-story townhouses with a mix of brick and light-colored siding. A large, leafy tree stands in front of the central unit. The scene is brightly lit, suggesting a sunny day. The text 'Housing Choices?' is overlaid in orange on the right side of the image.

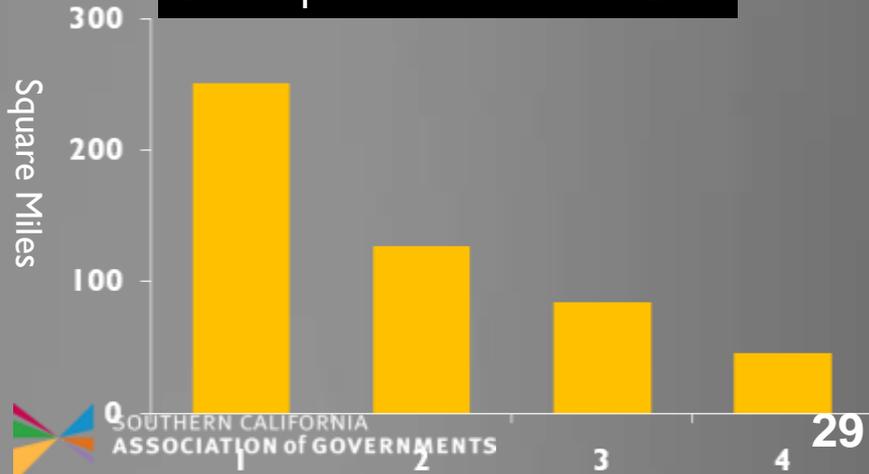
Housing Choices?

The Impacts of New Housing

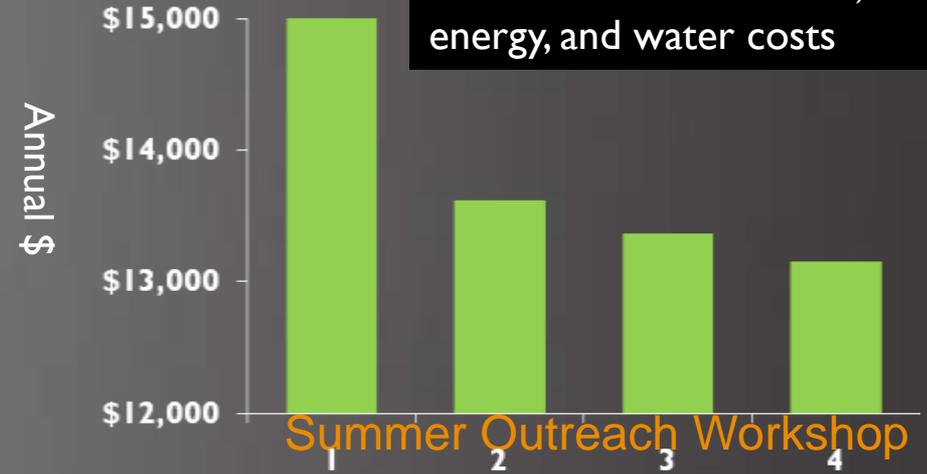
**New Homes
by Housing
Type
2010 to 2035**



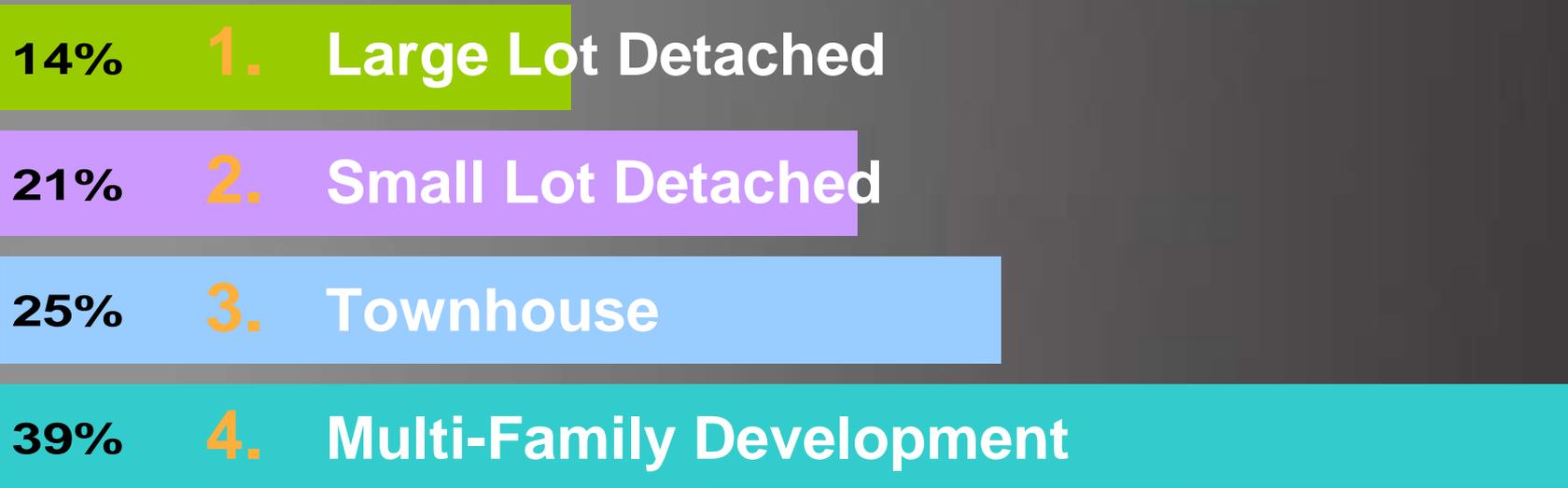
Development on Greenfields



Household fuel and auto, energy, and water costs



XV. To accommodate the region's future population, new housing development and housing types in the coming decades should be primarily...

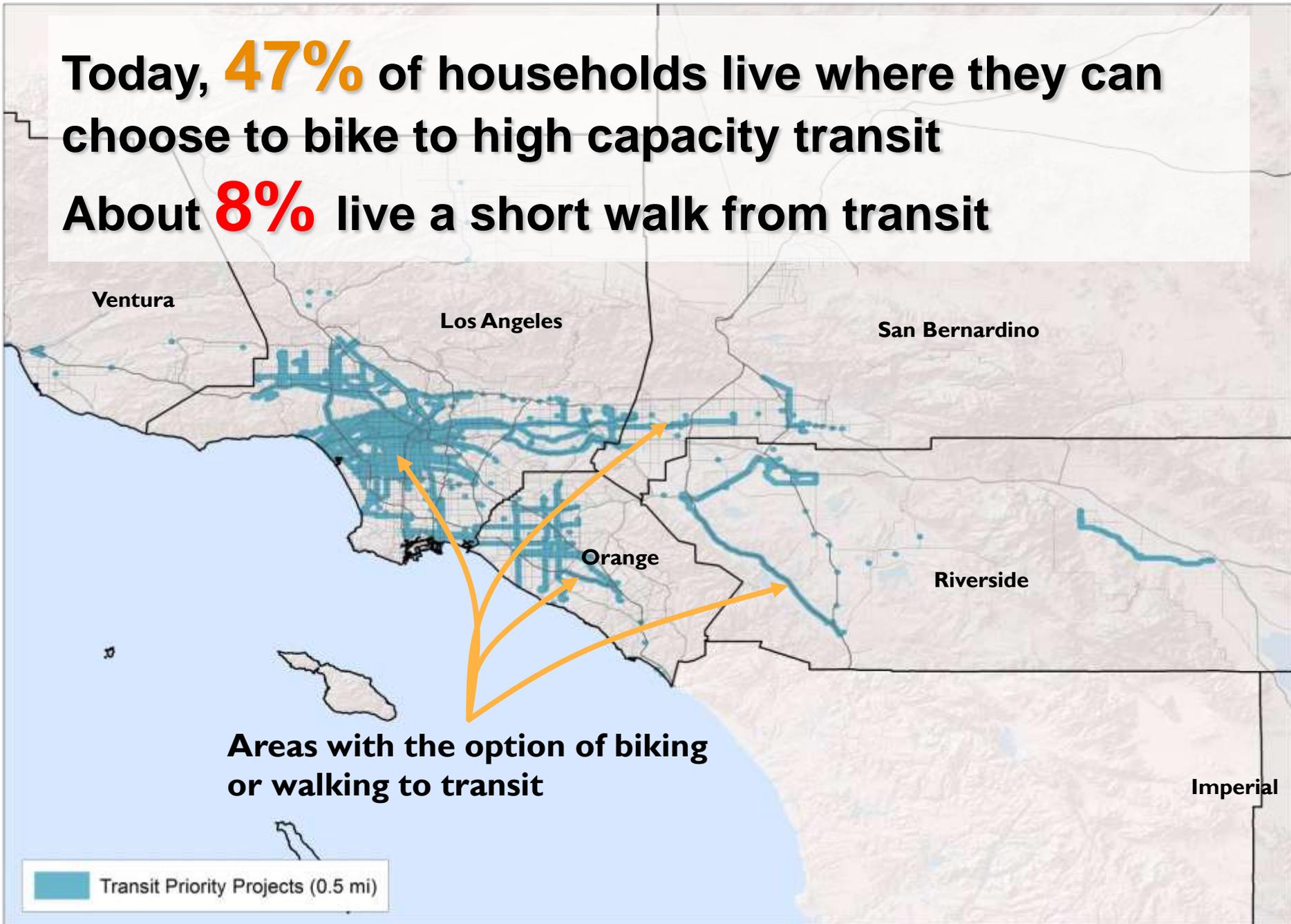




Transit Oriented Development?

Today, **47%** of households live where they can choose to bike to high capacity transit

About **8%** live a short walk from transit

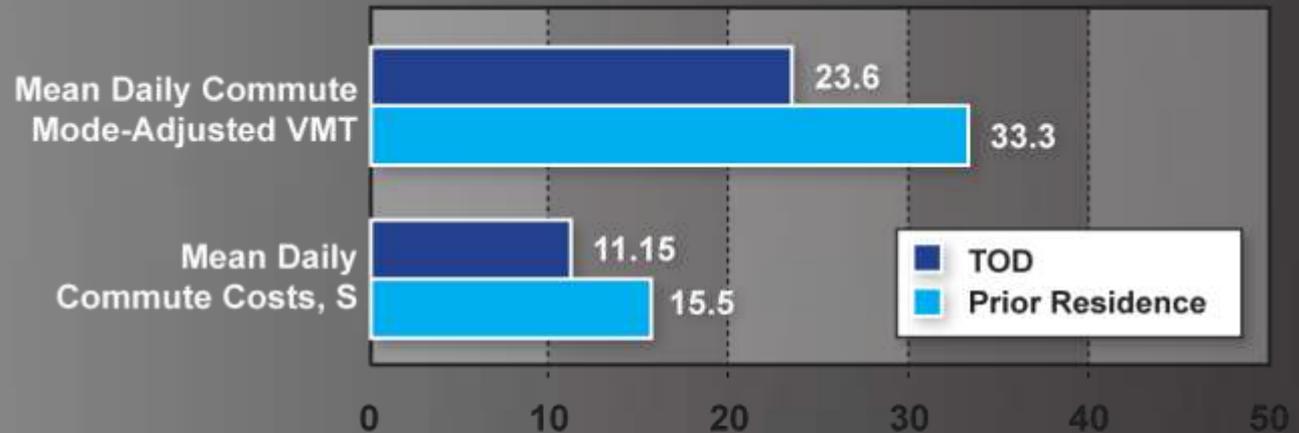


Coordinating Growth with Transit

- Following same household, after moving next to transit...



- **10** fewer miles driven
- **25%** lower commute expenses



Mean Changes in Commute Accessibility, Mobility, and Affordability from Prior (Non-TOD) to TOD Residences

XVI. Future development of employment centers and commercial areas should mostly occur in:

- 4% 1. Standard Suburban Areas
- 39% 2. Part Standard, Part Mixed Use Walkable
- 11% 3. Mixed Use Walkable
- 46% 4. Part Mixed Use Walkable, Part Urban
- 0% 5. Urban Areas

XVII. Future development of residential areas should mostly occur in:

4%

1. Standard Suburban Areas

50%

2. Part Standard, Part Mixed Use Walkable

18%

3. Mixed Use Walkable

29%

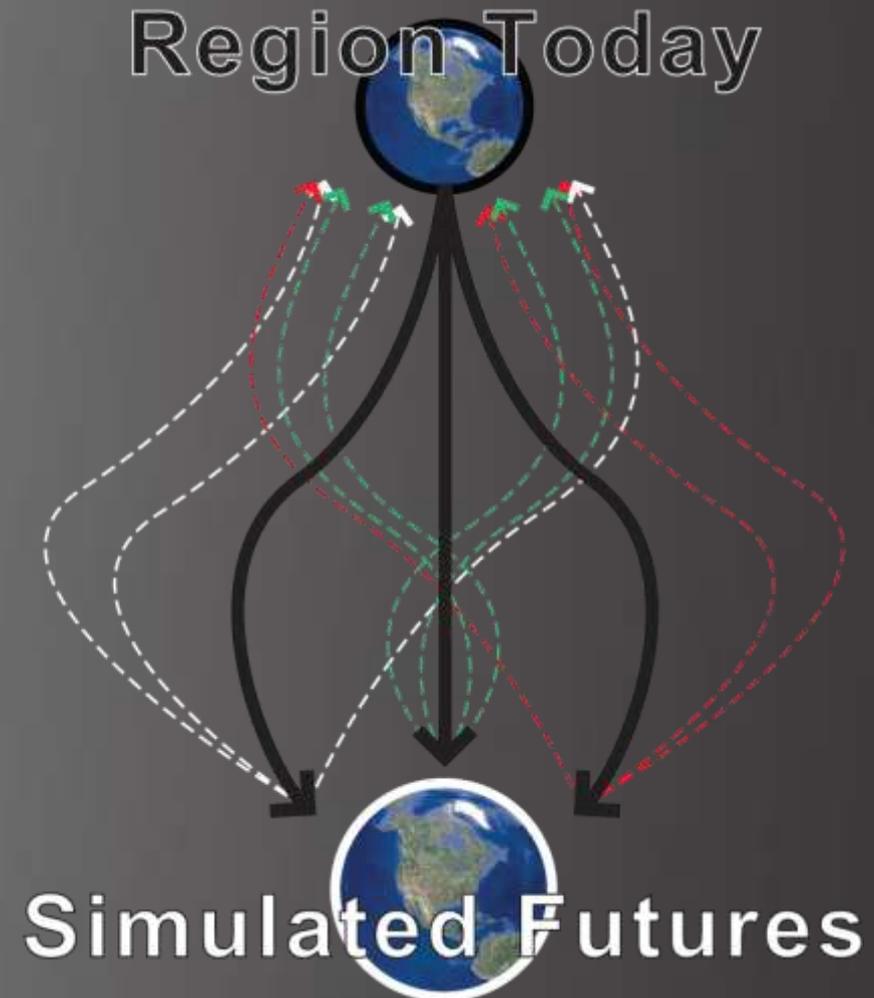
4. Part Mixed Use Walkable, Part Urban

0%

5. Urban Areas

Scenario Next Steps

- Concepts will be refined and further tested
- The most effective and supported ideas will become a draft combined scenario
- A preferred scenario, or Sustainable Communities Strategy, will be integrated with the 2012RTP



Stay Involved in the 2012 Plan

Present: July - August 2011



Public Outreach Workshops



Fall 2011



Workshops with Local Elected Officials



December 2011



Release of Draft Plan



December 2011 - January 2012



Public Hearings



April 2012

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Adoption

Summer Outreach Workshop

THANK YOU!

**2012 RTP/SCS
PUBLIC OUTREACH WORKSHOP**