

ON TO 2050

# Alternative Futures

CMAP Citizens Advisory Committee Meeting  
December 13, 2016

# What is Alternative Futures?

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- Approach that helps us...
  - Understand trends
  - Assess policies and strategies
- Scenario planning is common – Alternative Futures is new
- Macro level focus
  - Prepare
  - Mitigate
  - Capitalize
- Qualitative research

# Alternative Futures and ON TO 2050

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- Prioritize strategies
- Frame issues
- Educate and engage

# ON TO 2050 Development Process

ON TO 2050 development timeline



# Alternative Futures development

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1. In-house working sessions with CMAP staff
  - Developed initial list of trends
  - Criteria: plausibility, impact, policy links
2. Working session with 40+ partner organizations
  - Assessed impacts, likelihood, and connections to broader issues
  - Identified missing trends
  - Prioritized and combined 20 initial trends

# Alternative Futures for consideration

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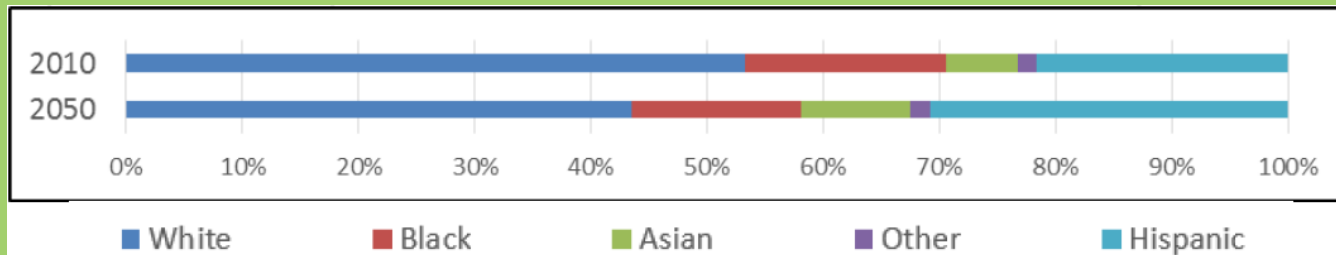
- Research, analysis, and engagement on 5 futures
  - Climate change impacts intensified
  - Economic restructuring continued
  - Public resources are further depleted
  - Technology enabled greater mobility
  - More people chose urban living
- Each future represents...
  - One or more priority trends
  - Corresponding CMAP work
  - Stand-alone future for the region

# Alternative Futures for consideration

## In ALL futures

- Anticipate that region will have...
  - An older and more diverse population
  - Increased data and advanced technology
- Explore disproportionate impacts to specific populations

Current and forecasted race/ethnicity distribution in the CMAP region, 2010 and 2050



# Next steps

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- October 2016 ..... Collect feedback on recommended alternative future trends
- Nov. 2016 – March 2017... Develop alternative futures  
Identify and prioritize strategies
- Trend specific strategies
  - Universal strategies
- Prepare for public outreach
- April – August 2017 ..... Release interactive visuals  
Host public workshops on alternative futures



**YEAR: 2050**

**PLACE: Chicago region**

What would happen to our region if....

**YEAR: 2050**

**PLACE: Chicago region**

What would happen to our region if....

**Climate change  
impacts intensified?**

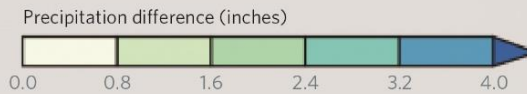
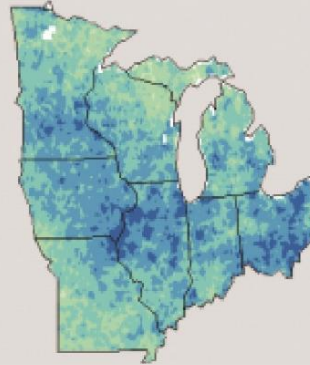
# If climate change impacts intensified...

More floods, droughts, and extreme temperatures

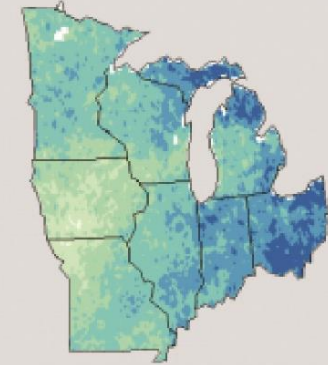
## Projected precipitation changes by 2041-2070

Source: National Oceanic and Atmospheric Administration National Climatic Data Center, Cooperative Institute for Climate and Satellites, North Carolina.

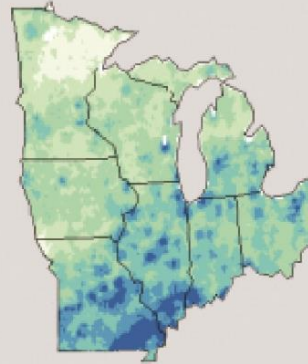
Average precipitation



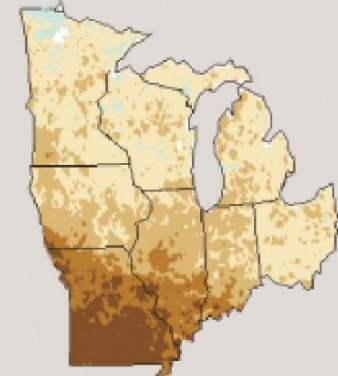
Heavy precipitation



Wettest 5-day total



Consecutive dry days



# If climate change impacts intensified...

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... what happens to the region?

- Increased property **damage** from flooding and storms
- **Habitats** and **agricultural** zones shift
- **Infrastructure** strained
- Increase **relocation** to Chicago
- **Vulnerable** residents disproportionately impacted
- **Energy** systems become more resilient

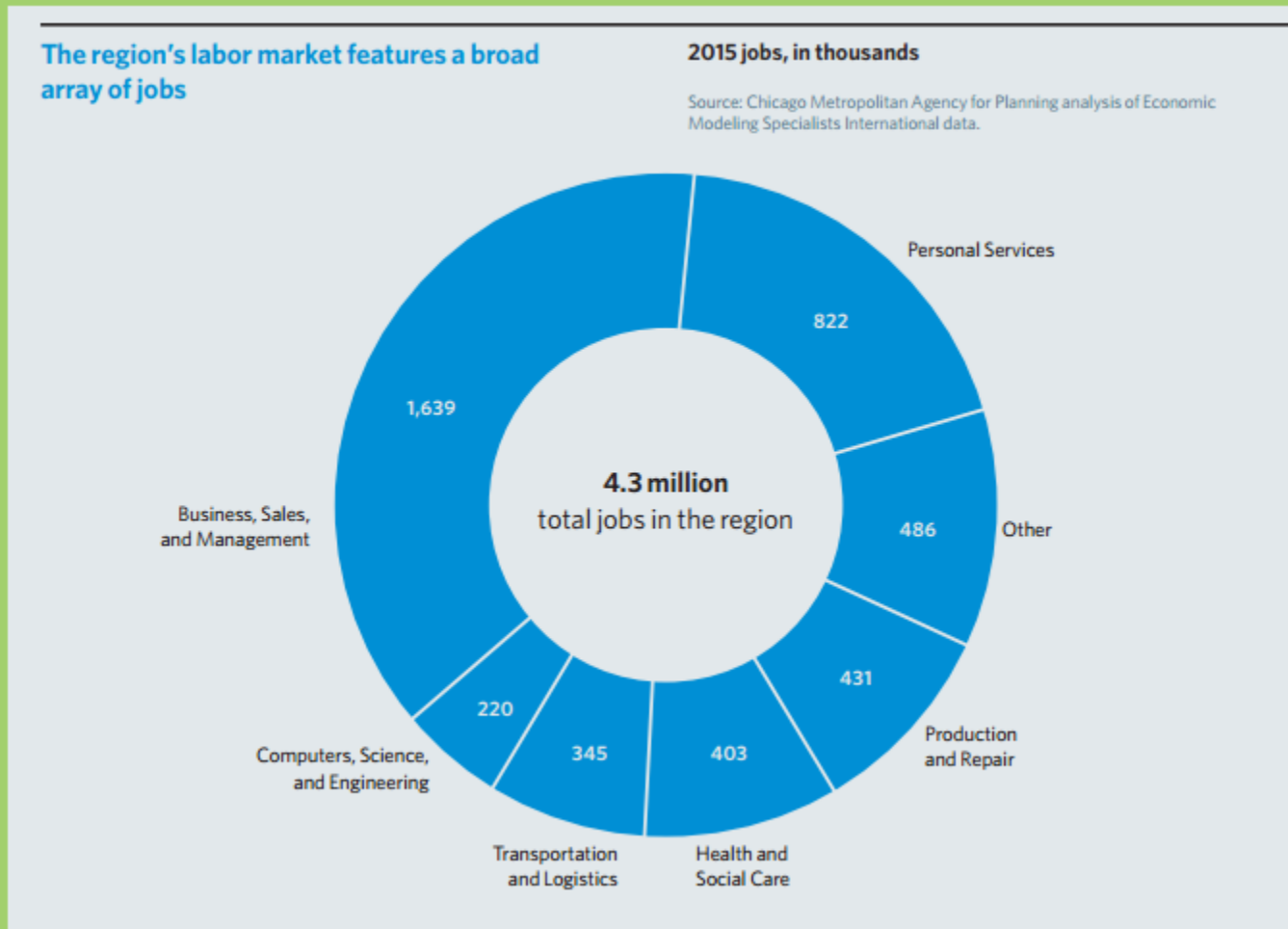
**YEAR: 2050**

**PLACE: Chicago region**

What would happen to our region if....

**Economic  
restructuring  
continued?**

# If economic restructuring continued...



- Service-oriented
- Freight and logistics

# If economic restructuring continued...

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... what happens to the region?

- Demand for **higher skilled** workers
- **Historically marginalized** populations have fewer opportunities for advancement
- **Suburbanization** of poverty

**YEAR: 2050**

**PLACE: Chicago region**

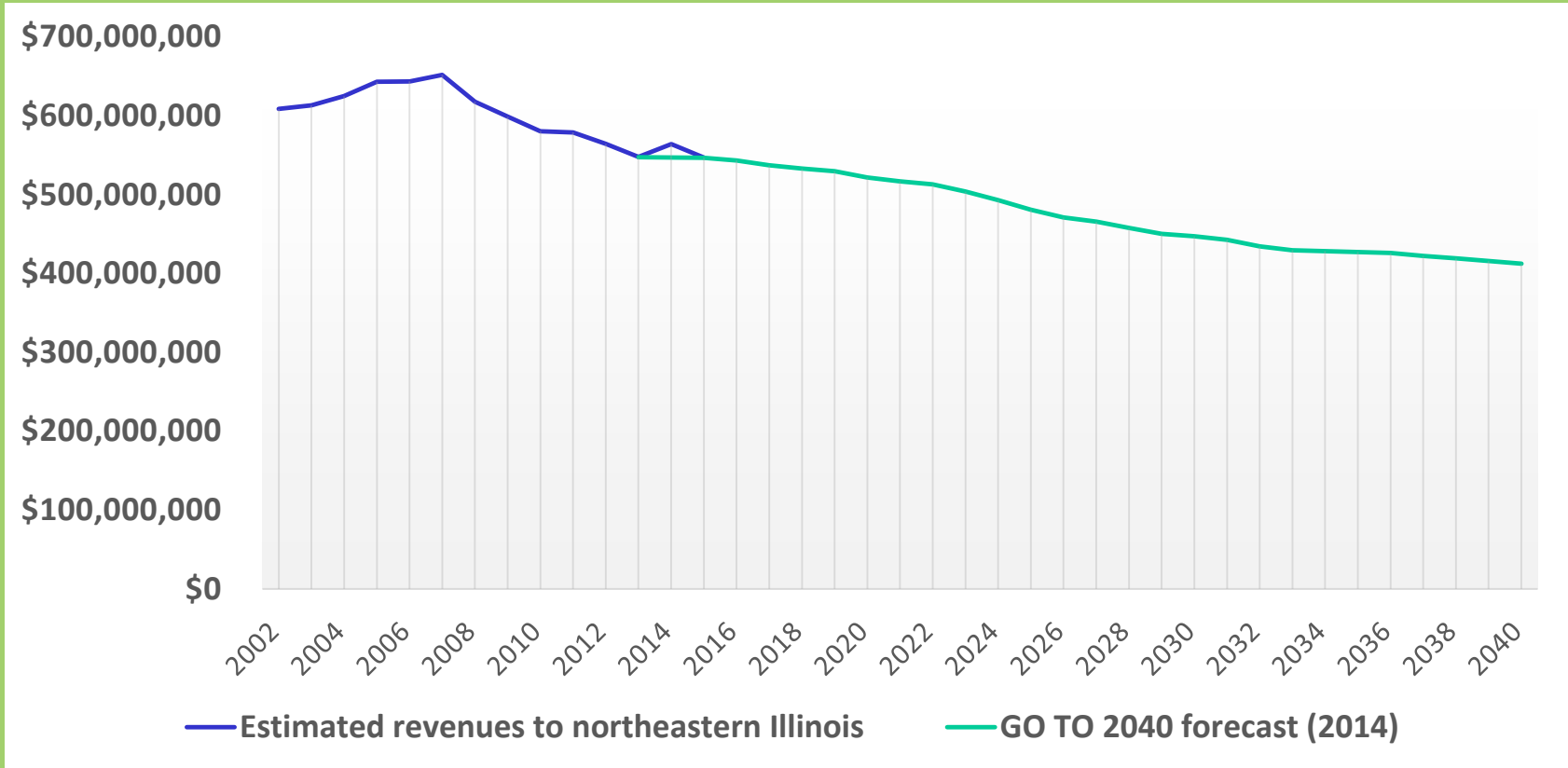
What would happen to our region if....

**Public resources  
are diminished?**



# If public resources diminished ...

State motor fuel tax revenue to northeastern Illinois, estimated revenues compared to the GO TO 2040 forecast, 2002-2040



Source: GO TO 2040 Financial Plan for Transportation, 2014 and Chicago Metropolitan Agency for Planning analysis of Illinois Department of Transportation data

**MFT forecasted to decline at the current rate**

# If public resources diminished...

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... what happens to the region?

- **Service and infrastructure** negatively impacted
- Greater reliance on **local revenues**
- **Cross-cutting** programs
- More transparency, more **efficiency**
- **Intergovernmental** cooperation
- More distinction between “**haves**” and “**have-nots**”

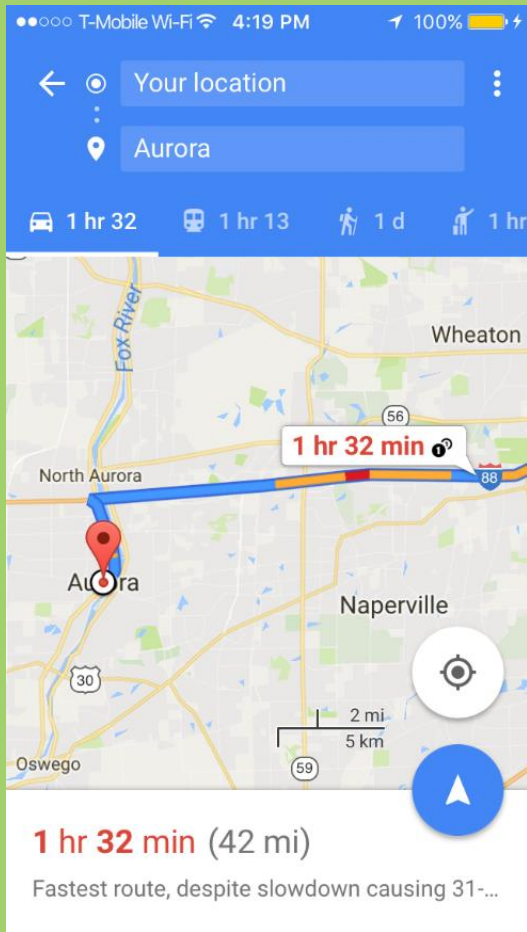
**YEAR: 2050**

**PLACE: Chicago region**

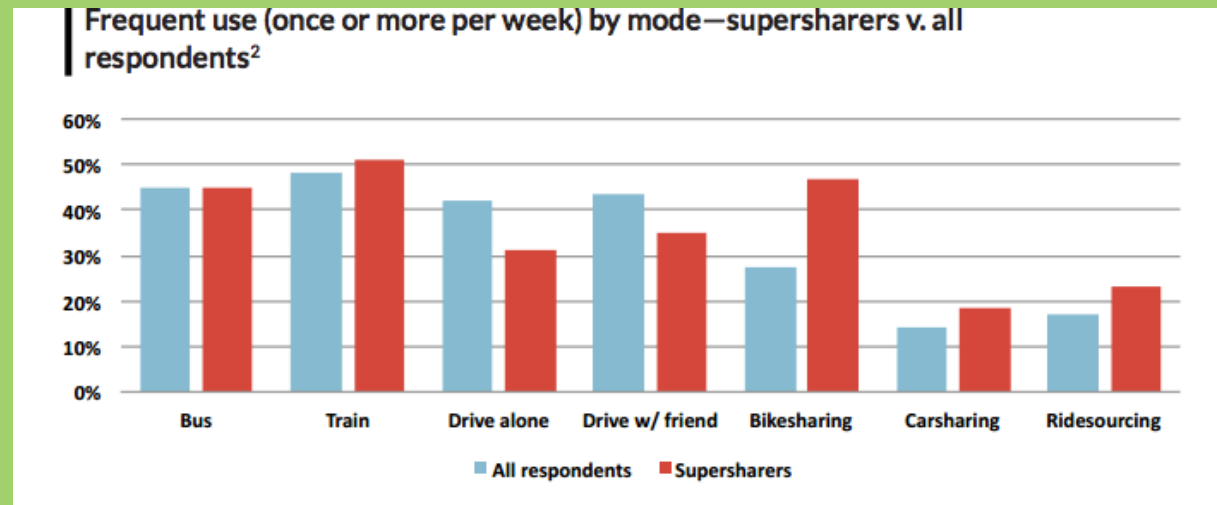
What would happen to our region if....

**Technology enabled  
greater mobility?**

# If technology enabled greater mobility...



## On-demand products and services



Source: Shared-Use Mobility Center, "Shared Mobility and the Transformation of Public Transit," 2016.

## Accurate, real-time information

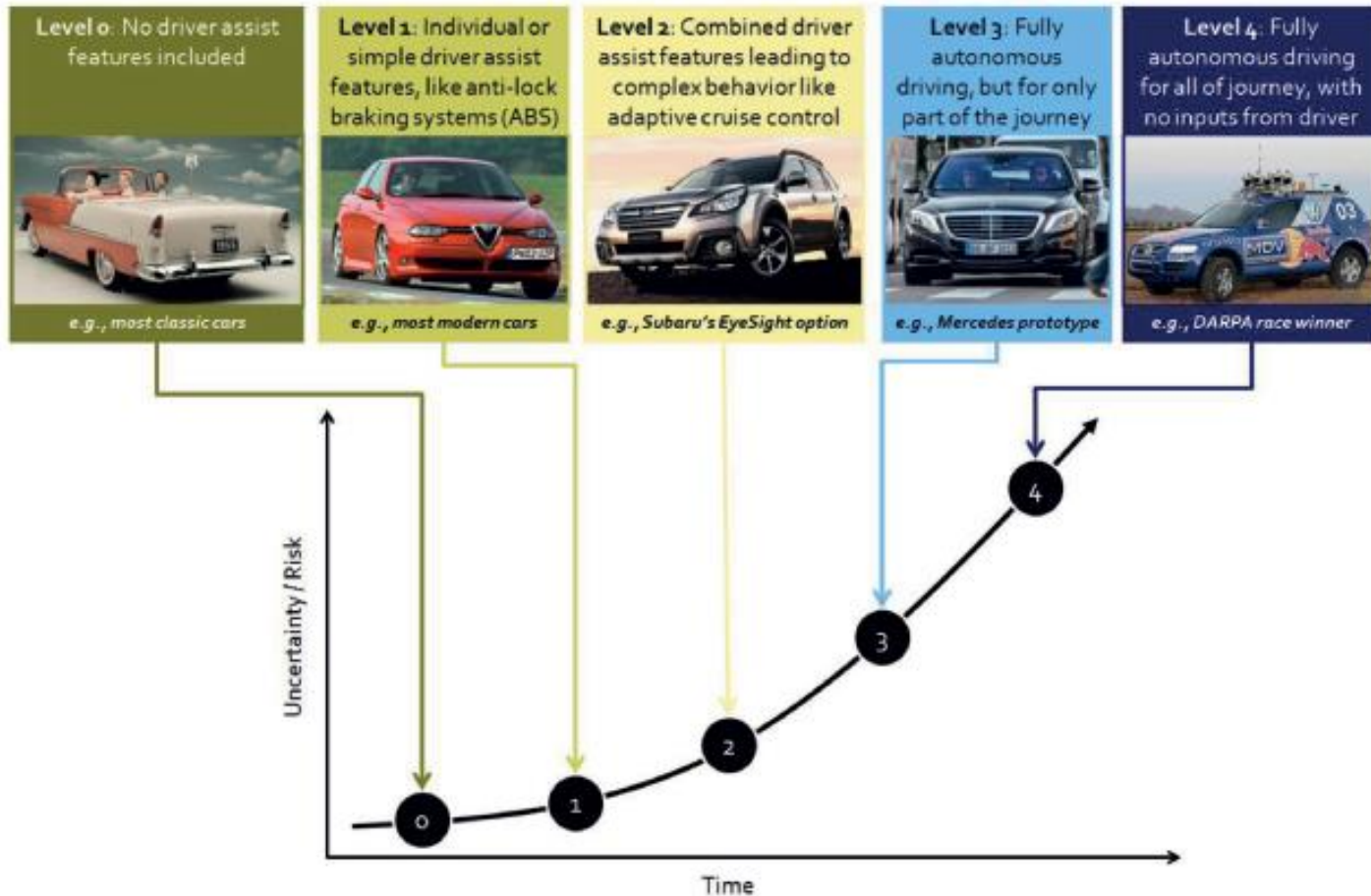
# If technology enabled greater mobility...

Next Delivery Times	
Prices listed are for orders above \$35 per store. <a href="#">Learn more about pricing.</a>	
Today	
Within 1 hour	\$7.99
Within 2 hours	\$5.99
7pm - 8pm	\$5.99
8pm - 9pm	\$5.99
9pm - 10pm	\$5.99
Tomorrow	
9am - 10am	\$5.99
10am - 11am	\$5.99
11am - Noon	\$5.99



High-tech intermodalism

# If technology enabled greater mobility...



Source: Lux Research - Set Autopilot for Profits: Capitalizing on the \$87 Billion Self-Driving Car Opportunity, April 2014

## Driverless vehicles proliferate

# If technology enabled greater mobility...

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... what happens to the region?

- **Parking and street design** needs change
- **Freight traffic and space** demands increase
- **Access** to technology unequal
- **Cost of driving** decreases
- **Suburban** edge grows
- **Transit** becomes a more competitive market

**YEAR: 2050**

**PLACE: Chicago region**

What would happen to our region if....

**More people chose  
urban living?**

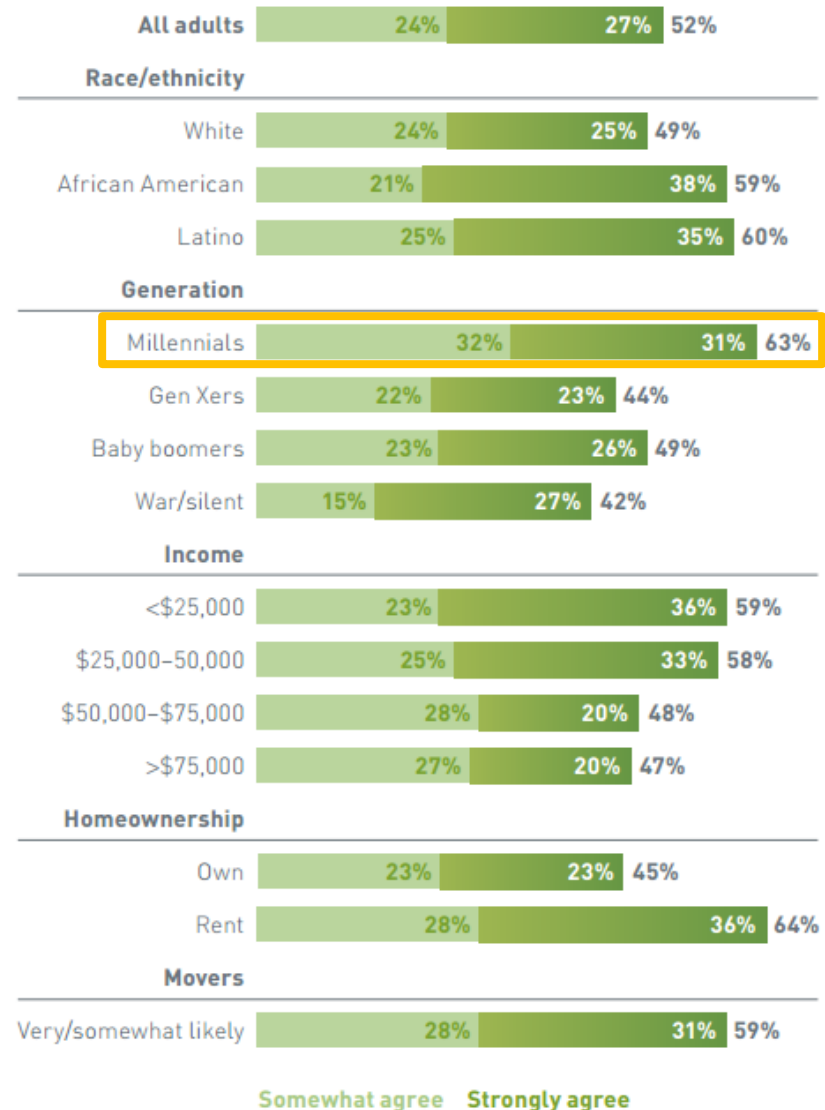


# If more people chose urban living...

## Greater preference for dense, mixed use areas

### Preference for Car-Optional Places

Percentage of respondents indicating "somewhat" or "strongly" agree, analyzed by major group



# If more people chose urban living...

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... what happens to the region?

- Denser **suburban downtowns** and commercial cores grow
- Auto-oriented **office parks** and strip malls decline
- More areas in region with **transit supportive densities**
- Decrease in demand for **driving and parking**
- **Affordable housing** in urban areas becomes scarcer

# Questions for Committee

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- What are the **most compelling features** of this future?
- What are you most **wary** about or **excited** for?
- What features will have the greatest impact on **your organization's** mission and goals?

# ONTO2050

## Questions?

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