

# 2016 Population and Employment Projections

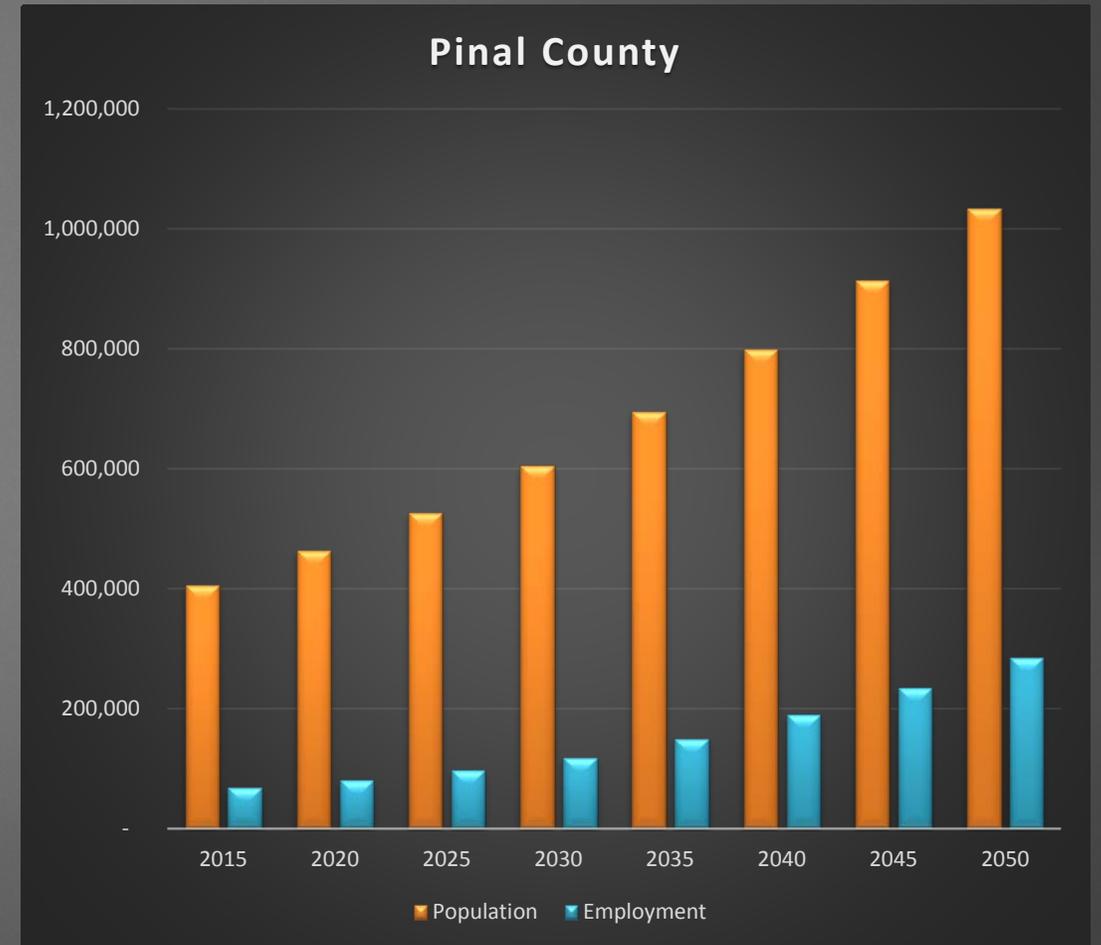
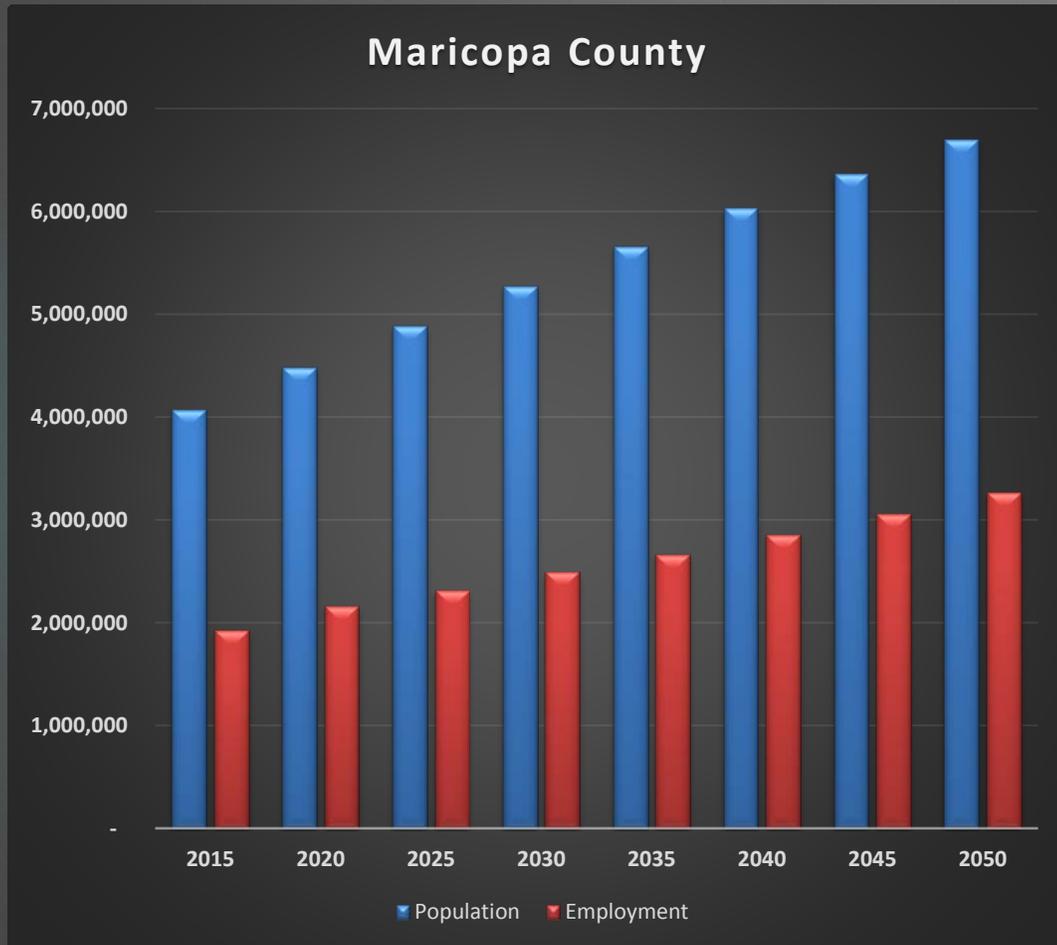
MAG POPULATION AND TECHNICAL  
ADVISORY COMMITTEE

MAY 31, 2016

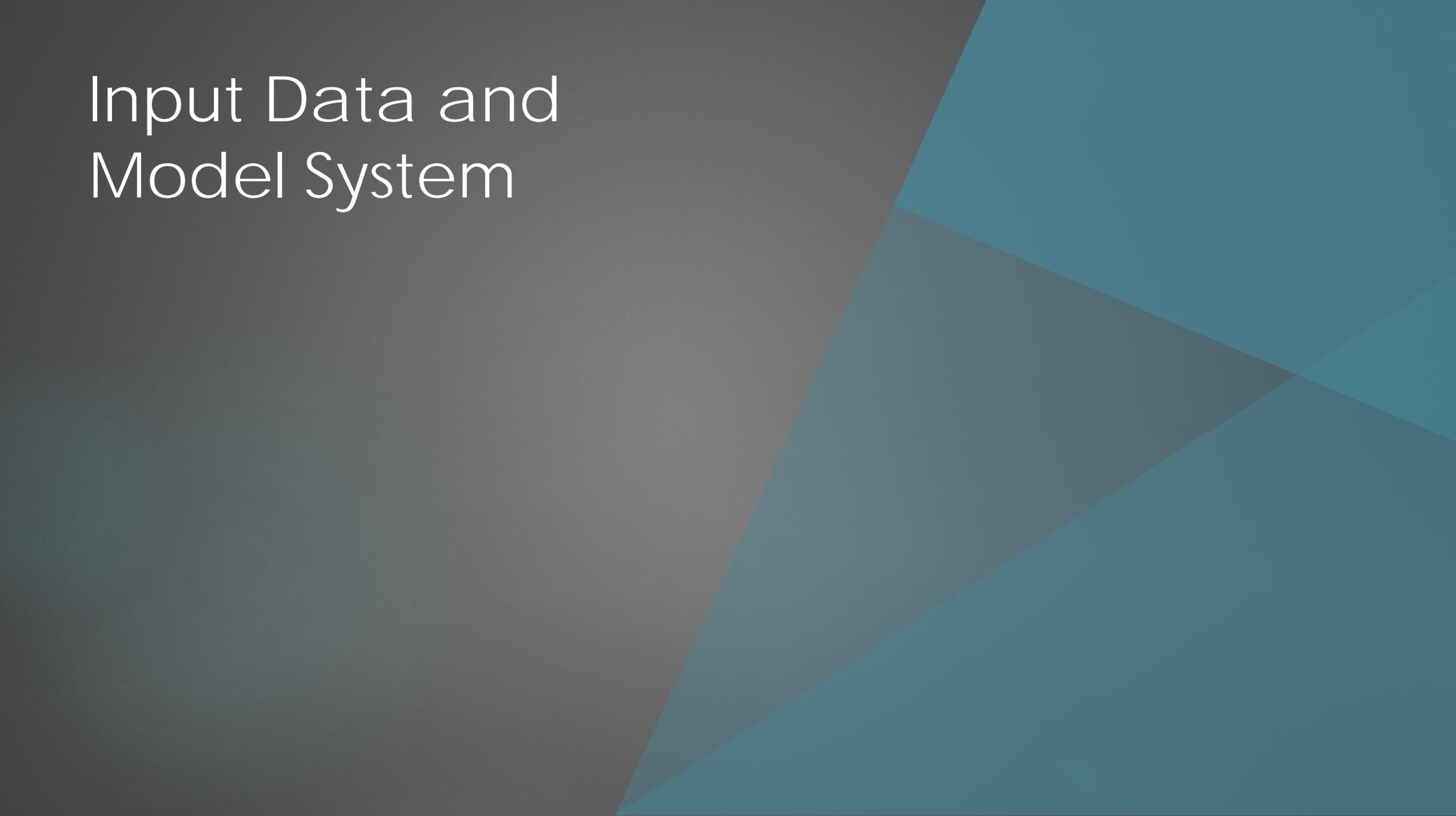
# Socioeconomic Projections

- ▶ Executive Order 2011-04
  - ▶ One set of official projections
  - ▶ State and County projections developed by the State Demographer at the Arizona Department of Administration (ADOA)
  - ▶ New projections are developed every 3-4 years
  - ▶ The Council for Technical Solutions (CTS) is comprised of representatives from Regional Councils, Universities, and State Agencies
- ▶ MAG is required to use County projections as a control for sub-county projections in Maricopa County
  - ▶ Federal requirements mandate that transportation and air quality models use official projections

# 2050: 7.7m Population – 3.6m Employment

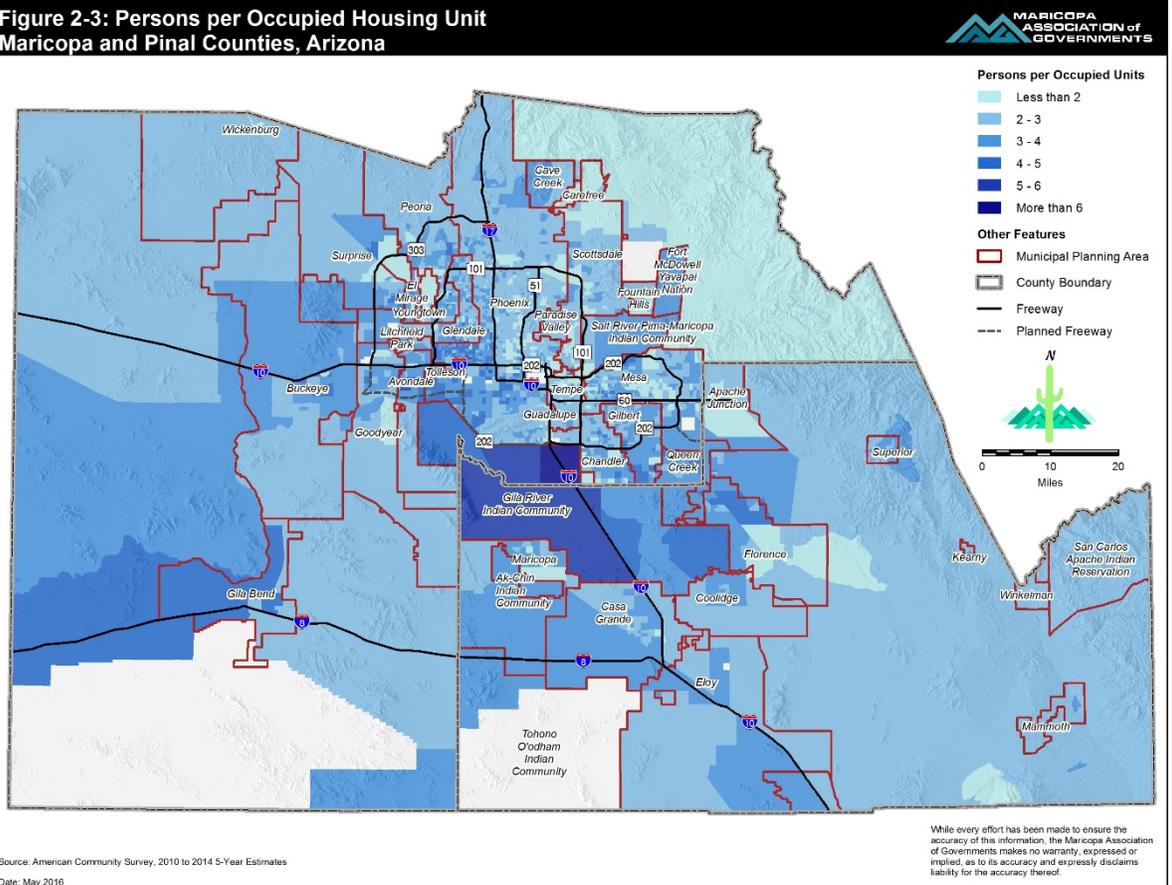


# Input Data and Model System

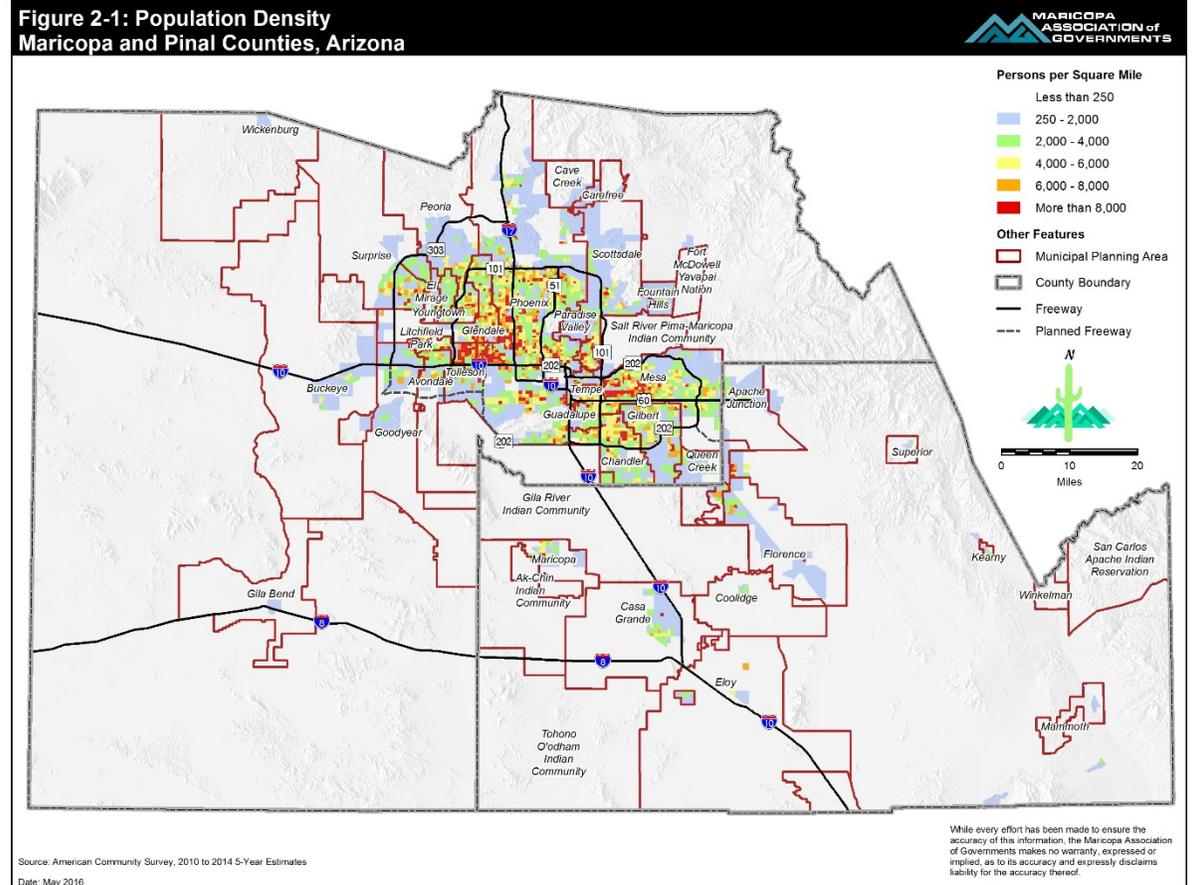
The background features a dark grey area on the left and a teal area on the right. The teal area is composed of several overlapping geometric shapes, including a large triangle and a smaller triangle, creating a layered effect.

# Census Data

**Figure 2-3: Persons per Occupied Housing Unit**  
Maricopa and Pinal Counties, Arizona

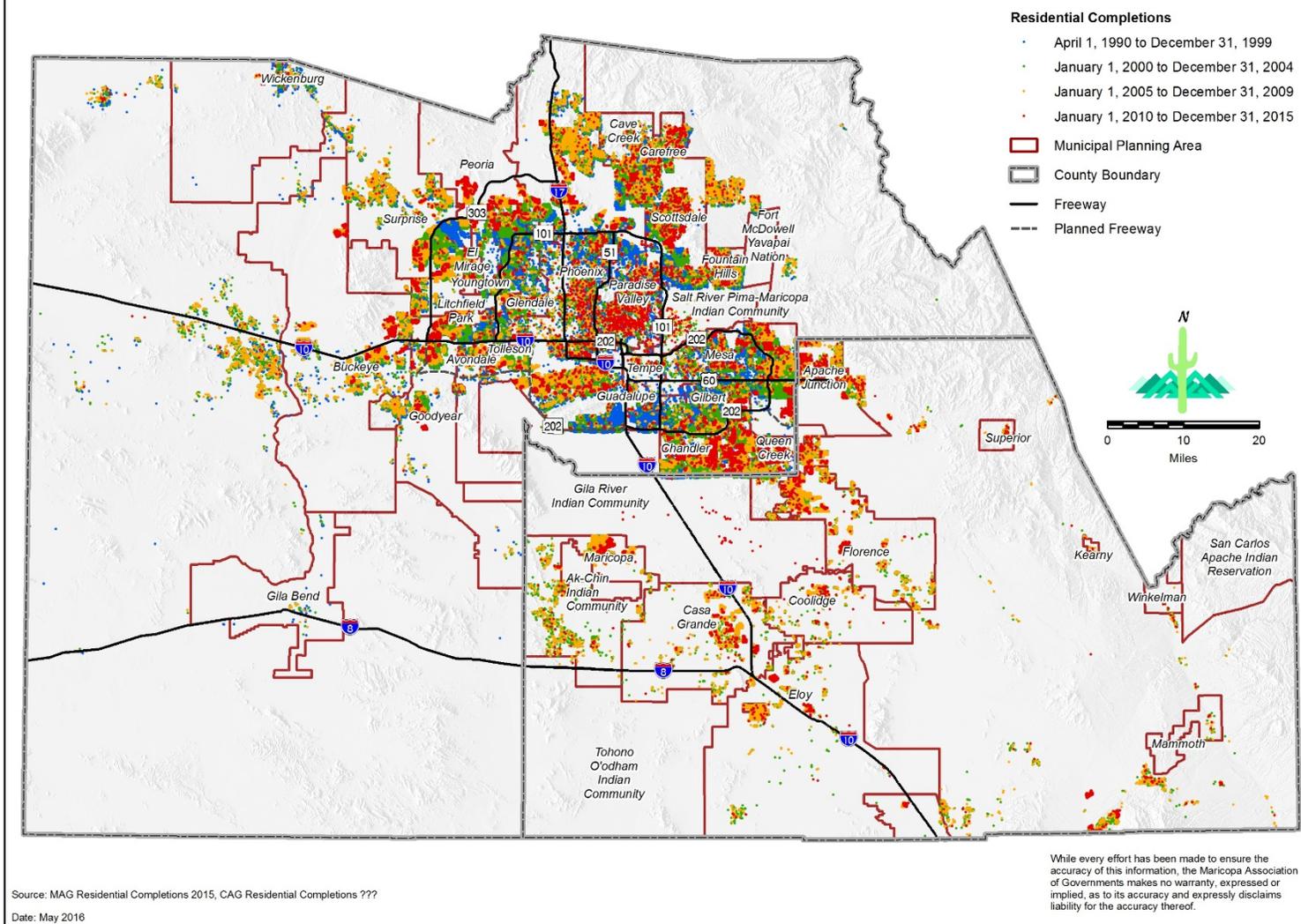


**Figure 2-1: Population Density**  
Maricopa and Pinal Counties, Arizona



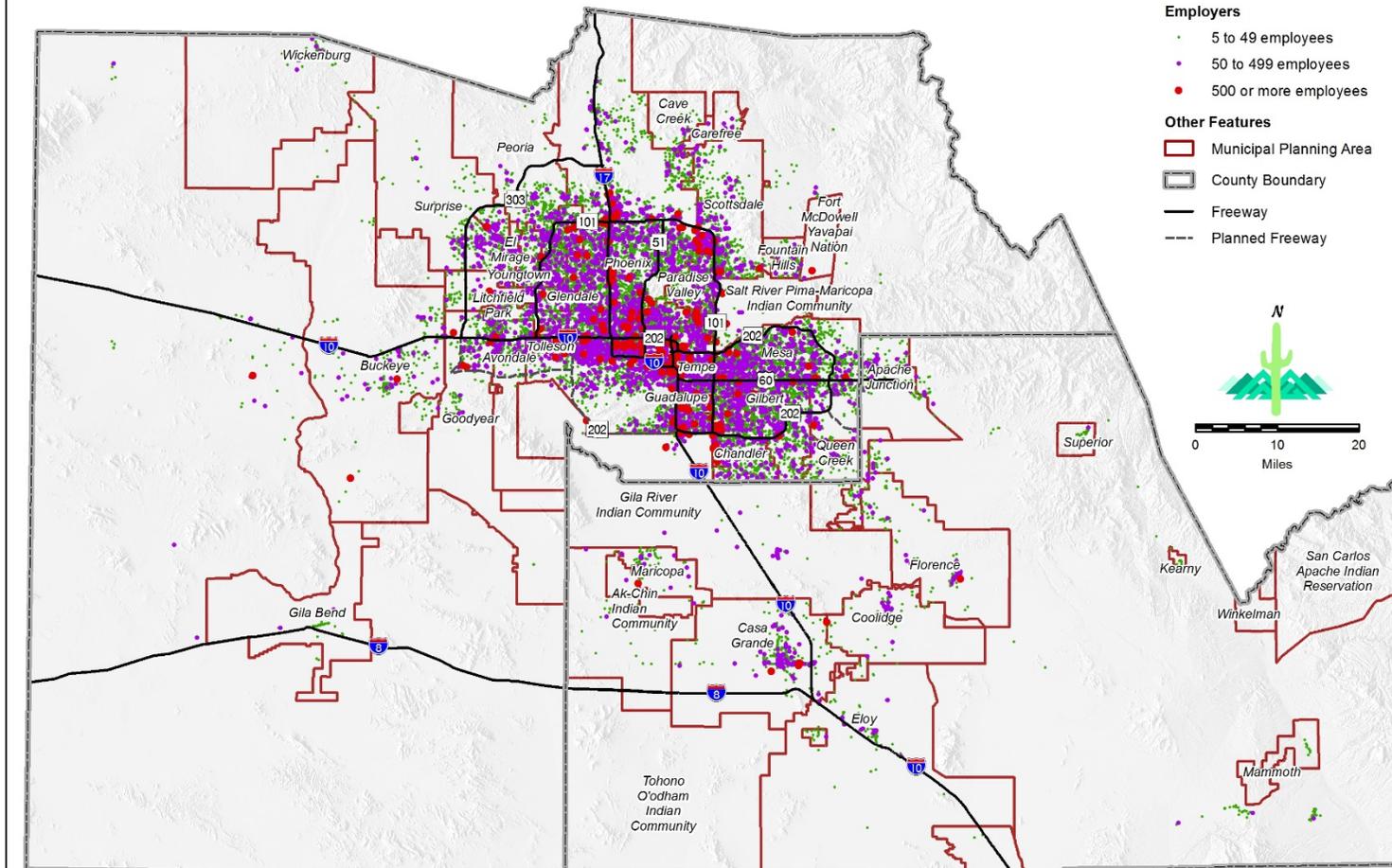
# Housing

**Figure 2-5: Residential Completions, 1990 to 2014**  
**Maricopa and Pinal Counties, Arizona**



# Base Employment

Figure 2-4: Employment Locations, 2014  
Maricopa and Pinal Counties, Arizona



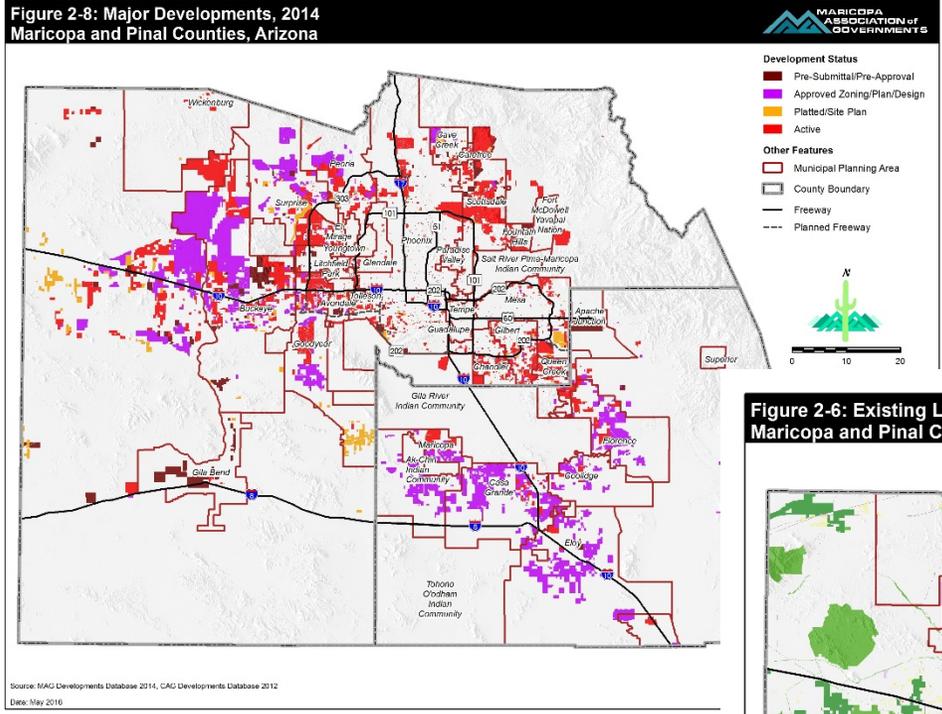
Source: MAG Employers Database 2014

Date: May 2016

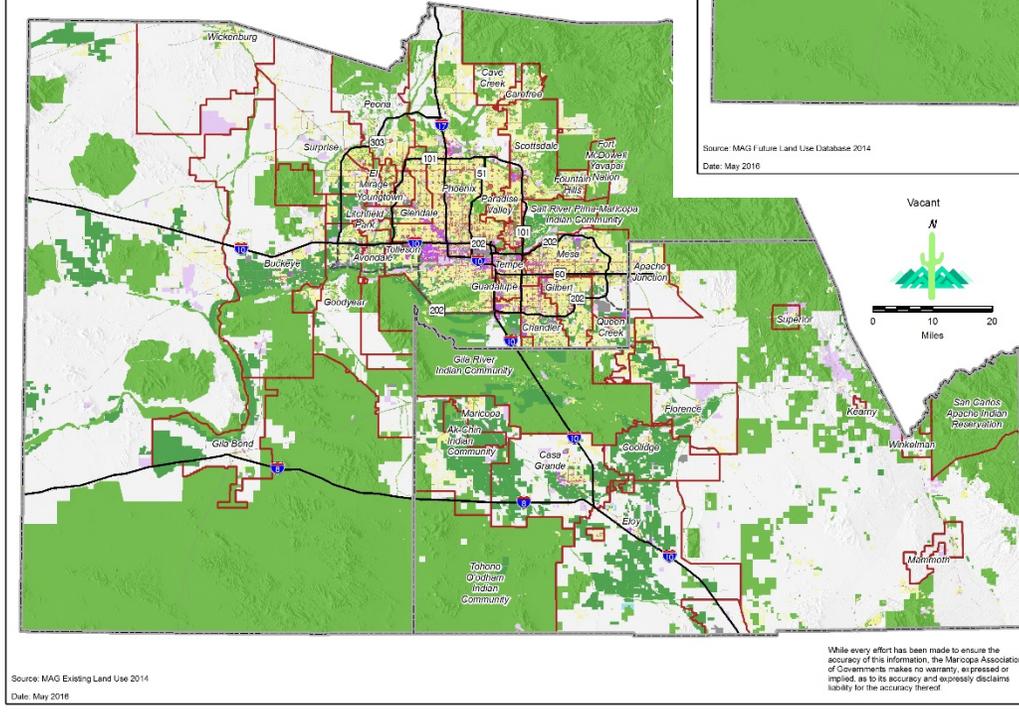
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# Land Use

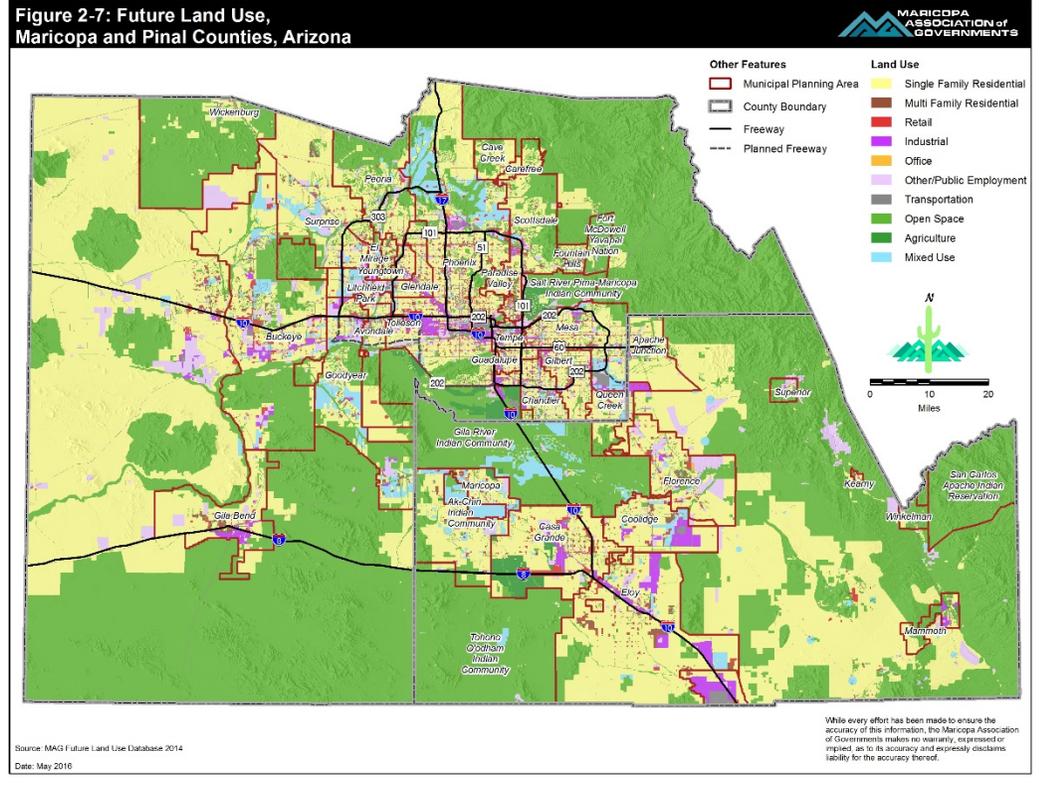
**Figure 2-8: Major Developments, 2014  
Maricopa and Pinal Counties, Arizona**



**Figure 2-6: Existing Land Use 2014,  
Maricopa and Pinal Counties, Arizona**



**Figure 2-7: Future Land Use,  
Maricopa and Pinal Counties, Arizona**



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# Inventory Databases

Figure 2-12: Hotels and Motels, 2016  
Maricopa and Pinal Counties, Arizona

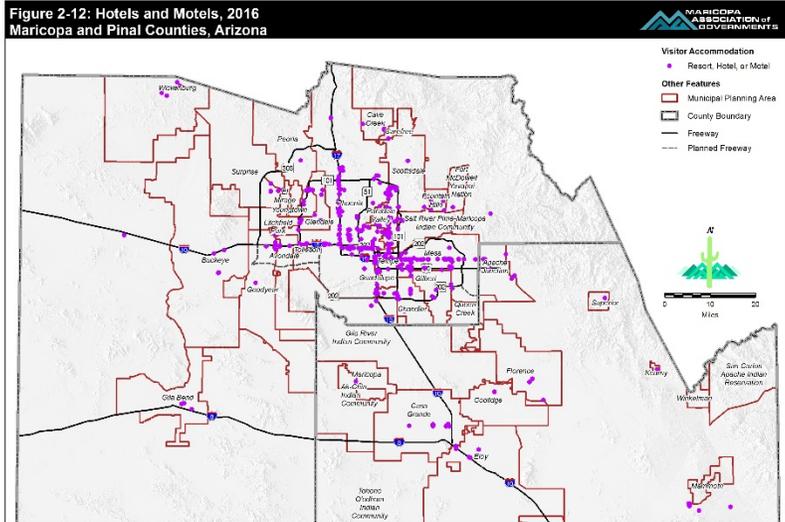
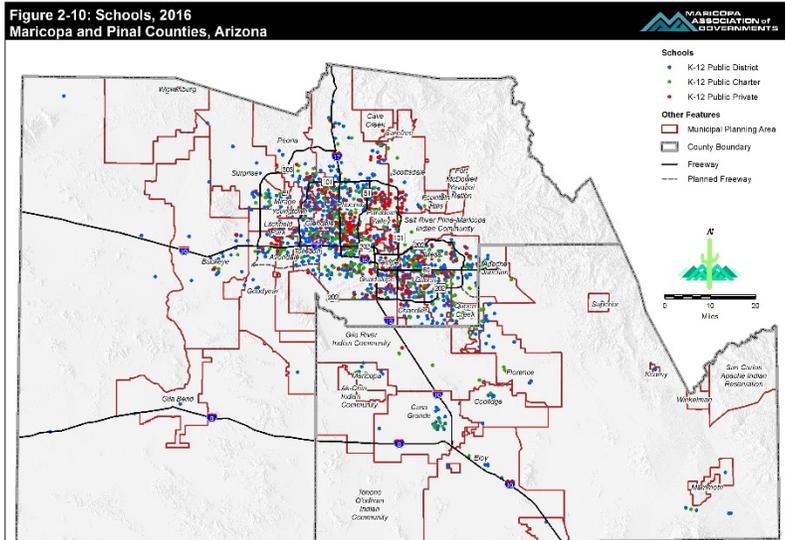


Figure 2-10: Schools, 2016  
Maricopa and Pinal Counties, Arizona



Source: MHD Using LIDARMA - members 2016  
Date: May 2016

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Figure 2-13: Mobile Home and RV Parks, 2015  
Maricopa and Pinal Counties, Arizona

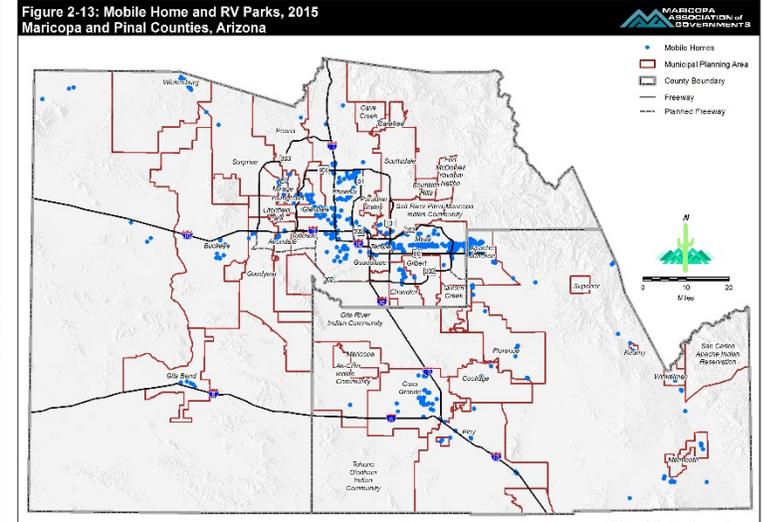
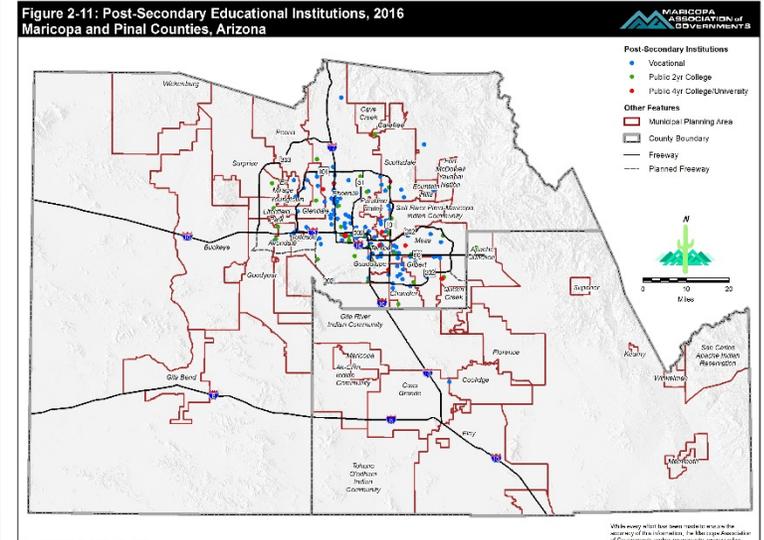


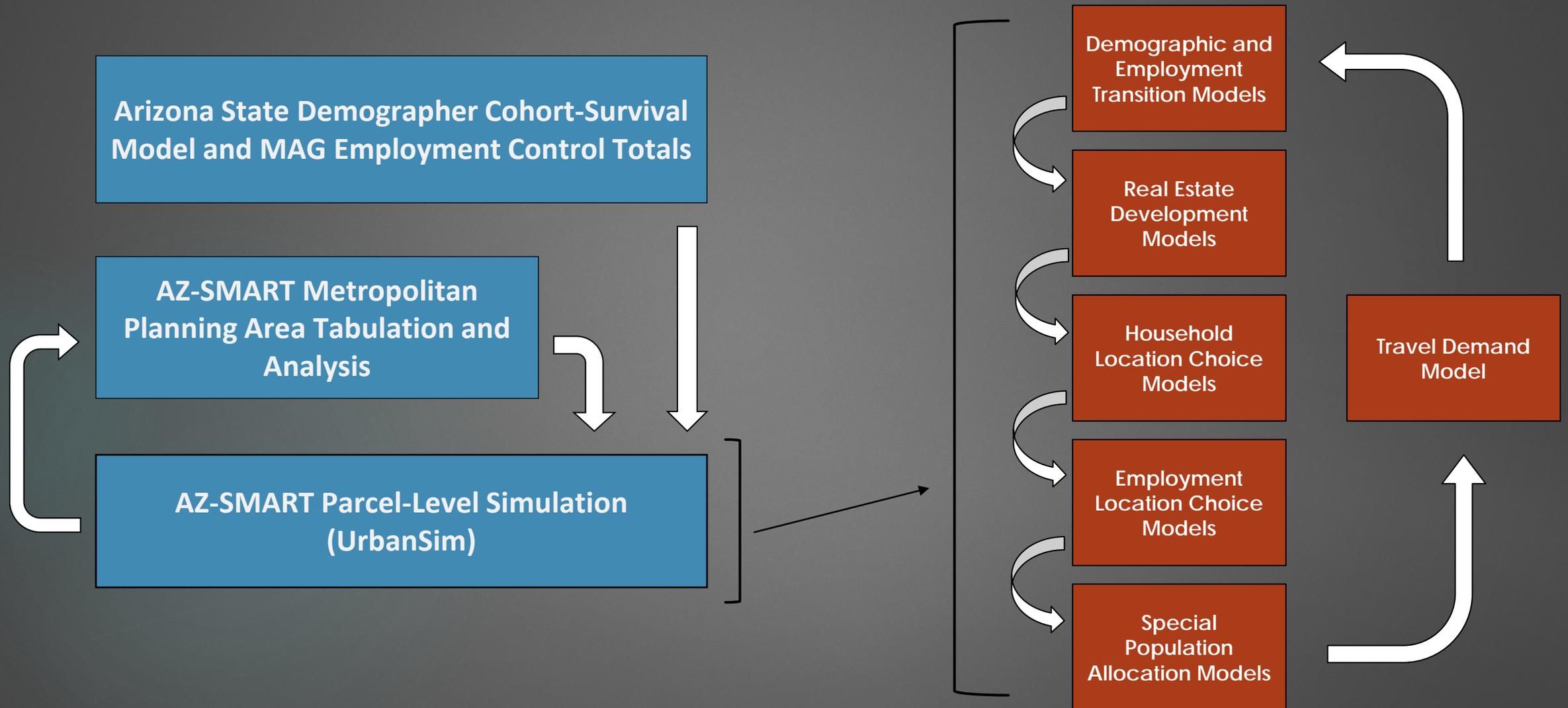
Figure 2-11: Post-Secondary Educational Institutions, 2016  
Maricopa and Pinal Counties, Arizona



Source: MHD Building Landmark Inventory 2016  
Date: May 2016

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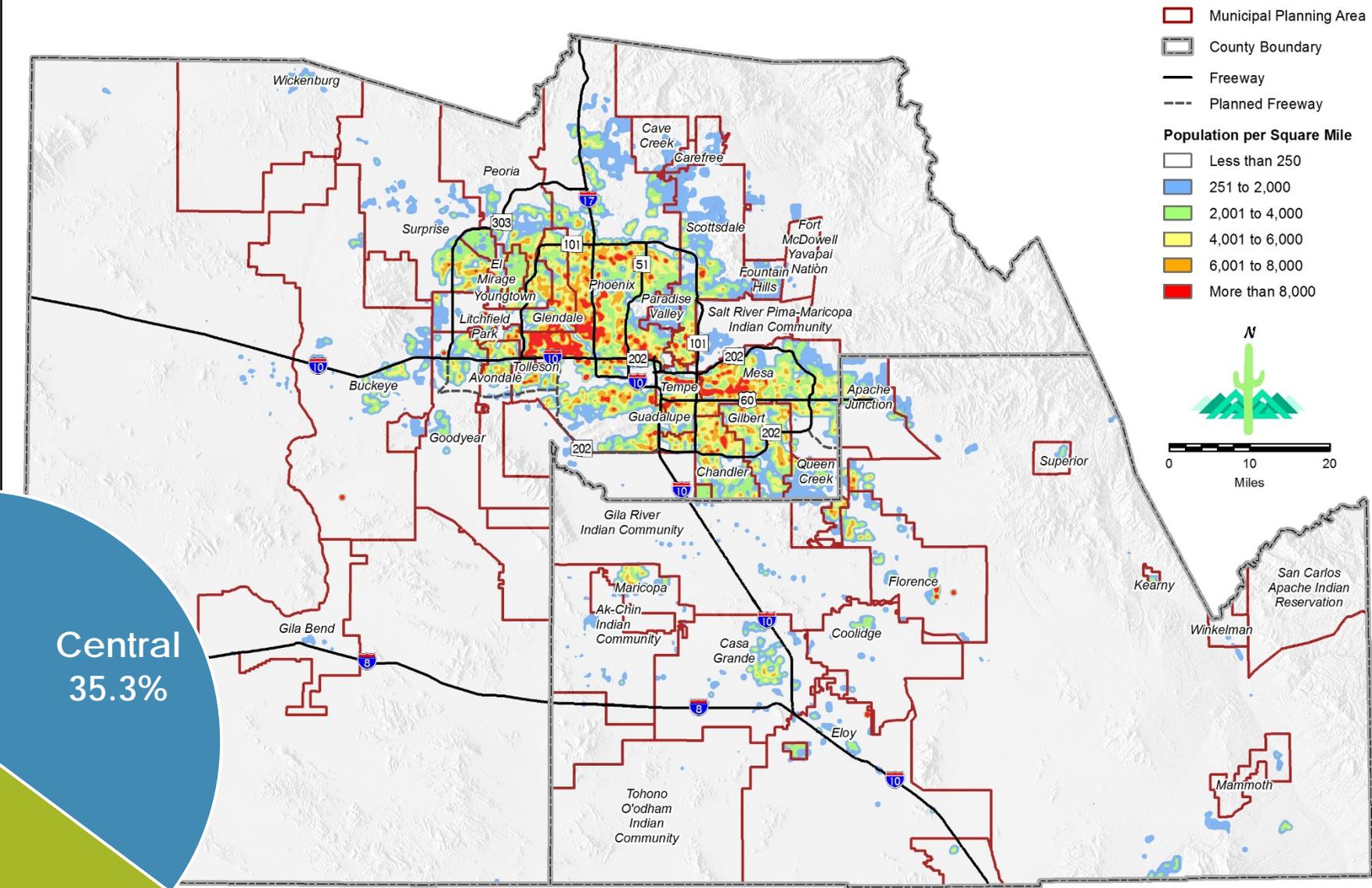
# AZ-SMART Model System



# FINAL Draft Projection Series

The background features a dark grey gradient on the left side, transitioning into several overlapping teal-colored geometric shapes on the right. These shapes include a large triangle pointing towards the top right, a smaller triangle below it, and a larger, more complex shape at the bottom right, all creating a modern, abstract design.

# Total Population Concentration, 2015 Maricopa and Pinal Counties, Arizona

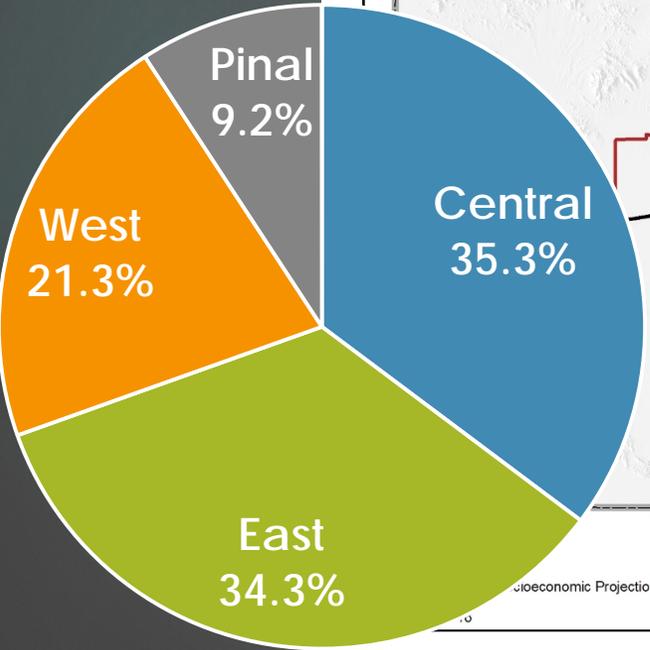


Municipal Planning Area  
 County Boundary  
 Freeway  
 Planned Freeway

**Population per Square Mile**

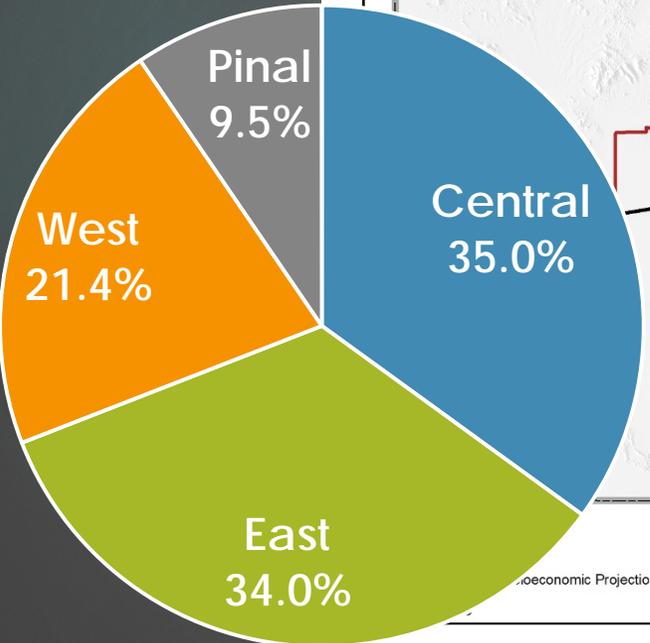
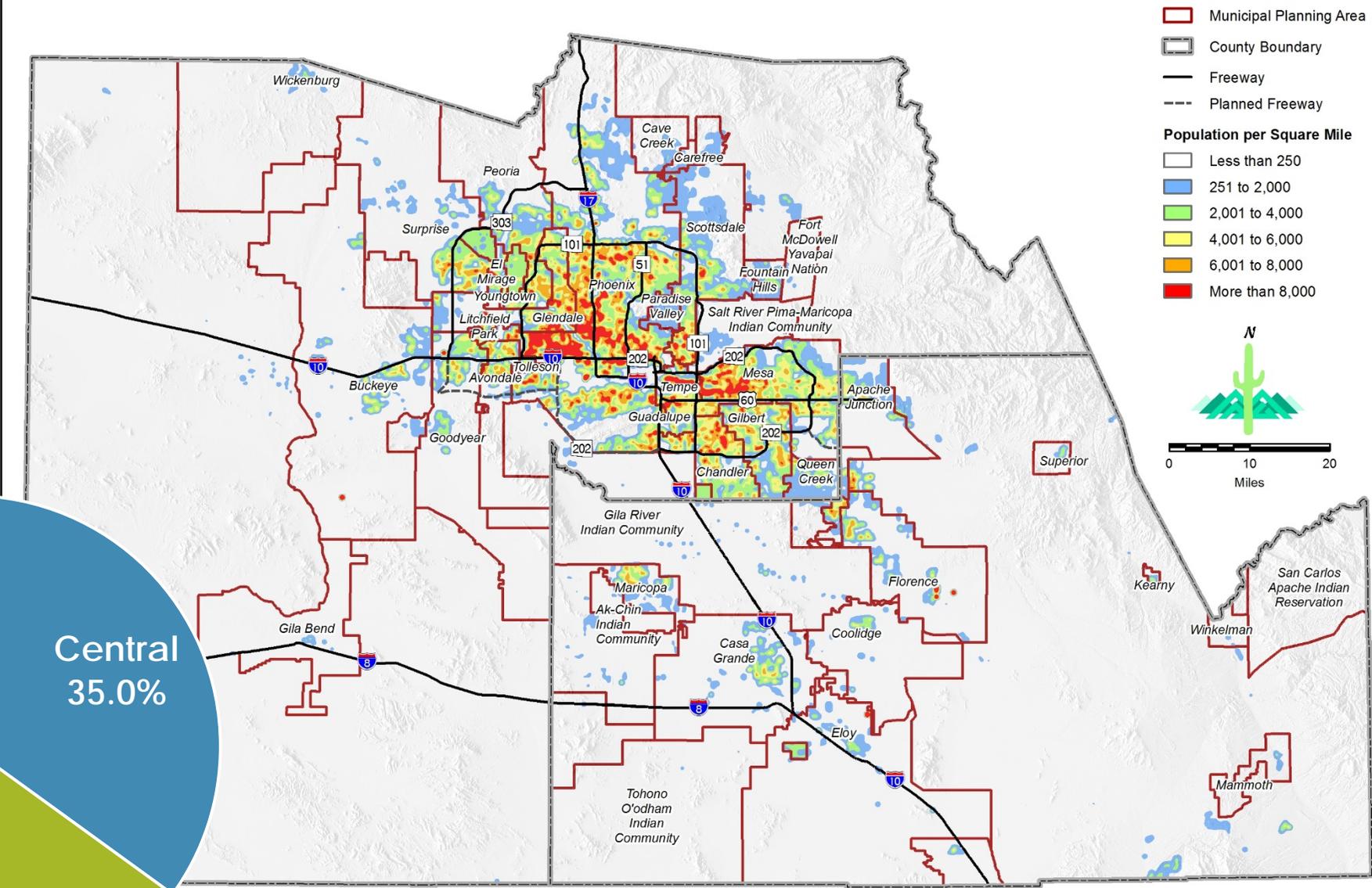
- Less than 250
- 251 to 2,000
- 2,001 to 4,000
- 4,001 to 6,000
- 6,001 to 8,000
- More than 8,000

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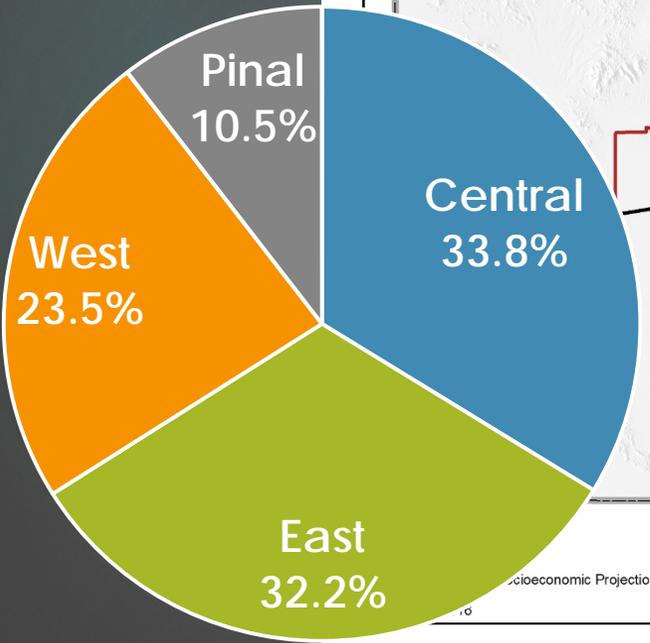
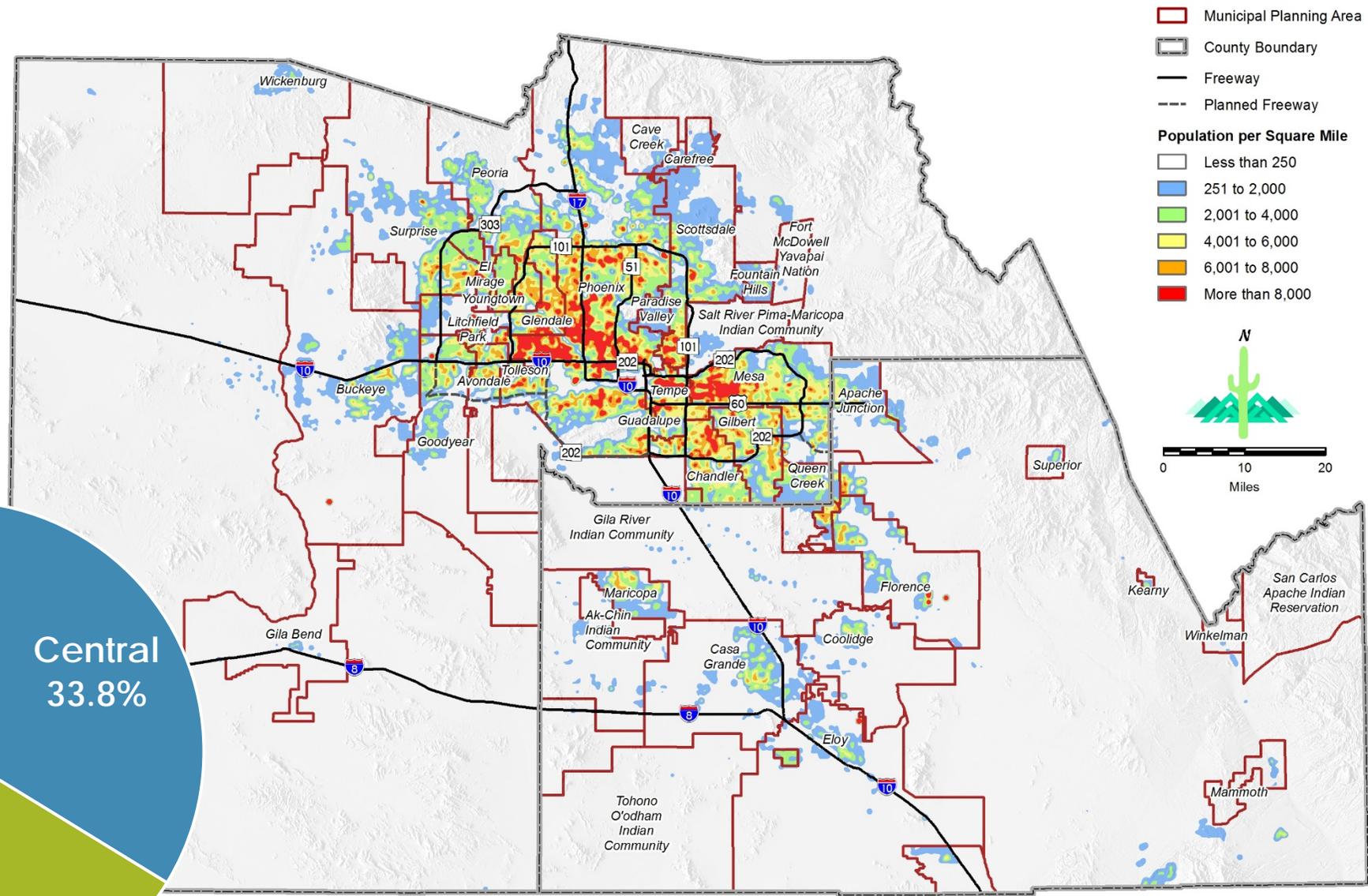
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# Total Population Concentration, 2020 Maricopa and Pinal Counties, Arizona



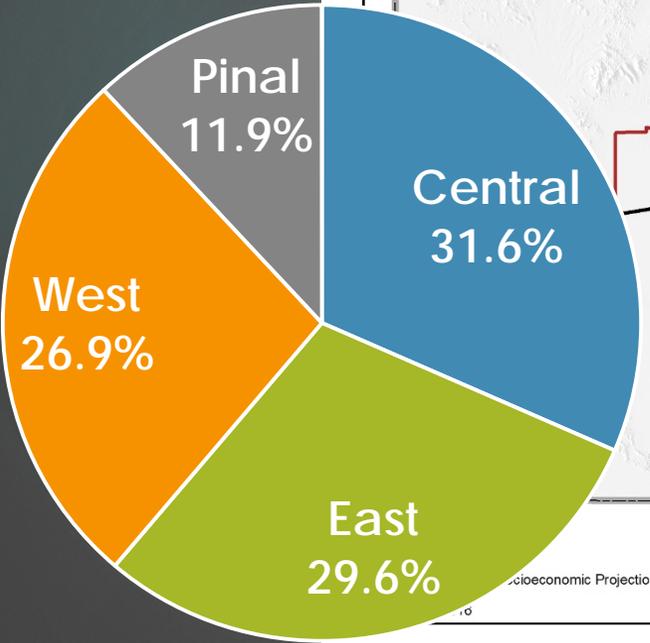
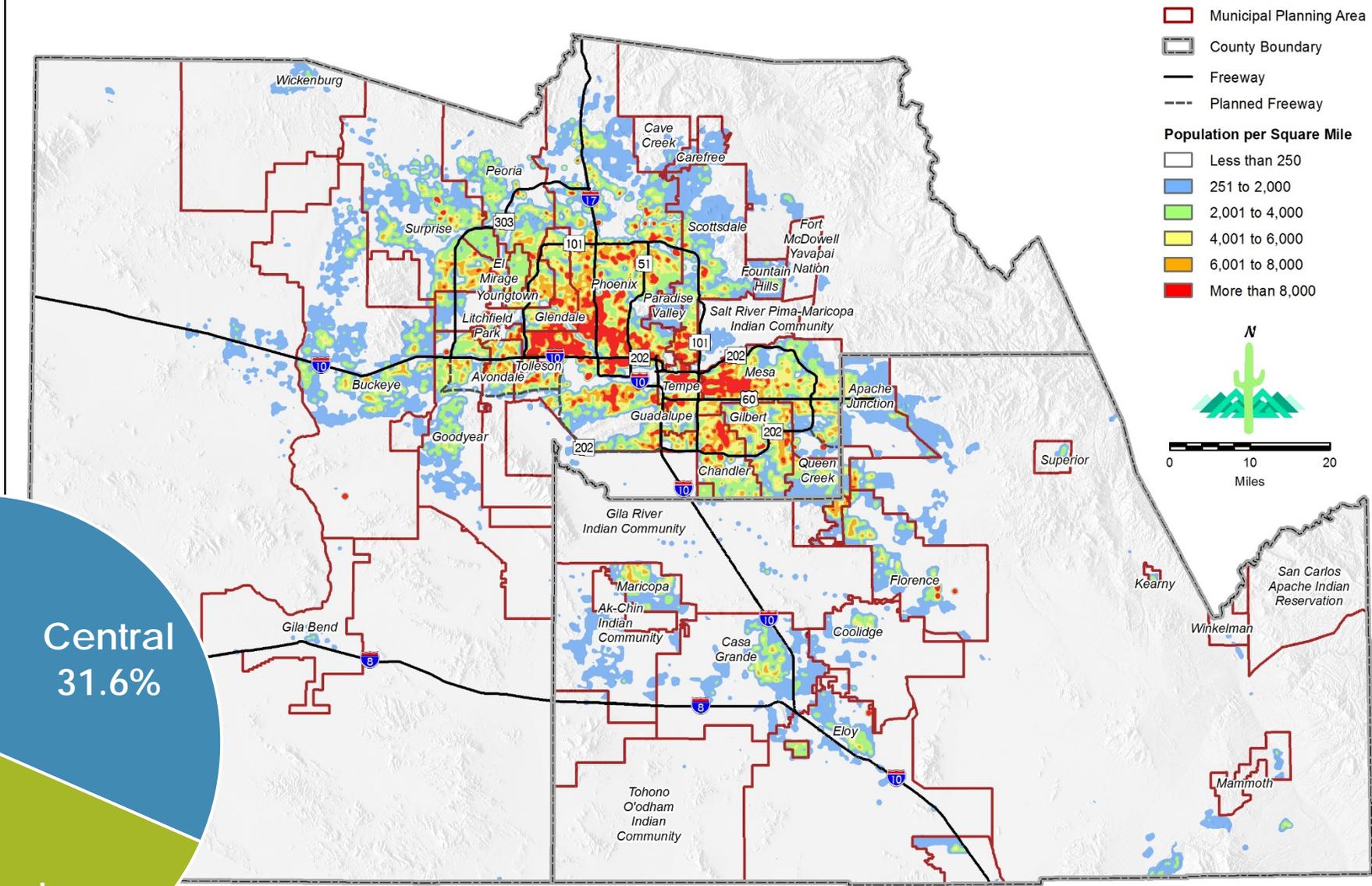
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# Total Population Concentration, 2030 Maricopa and Pinal Counties, Arizona



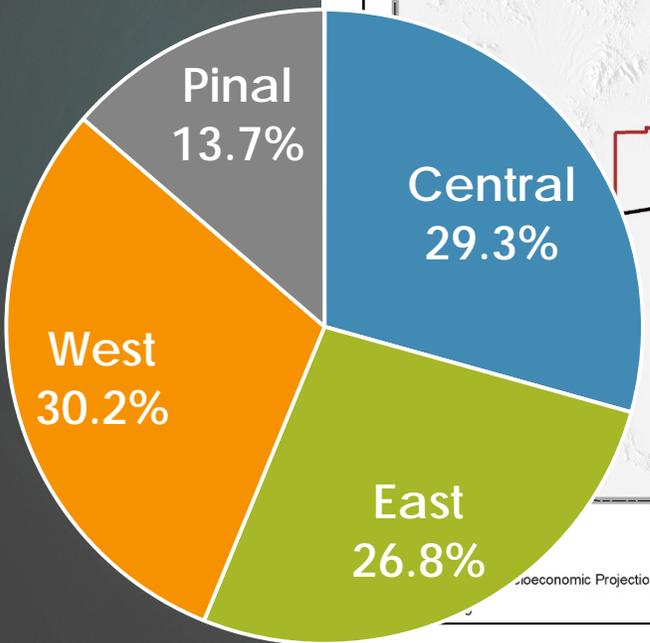
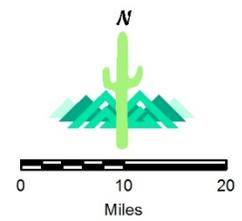
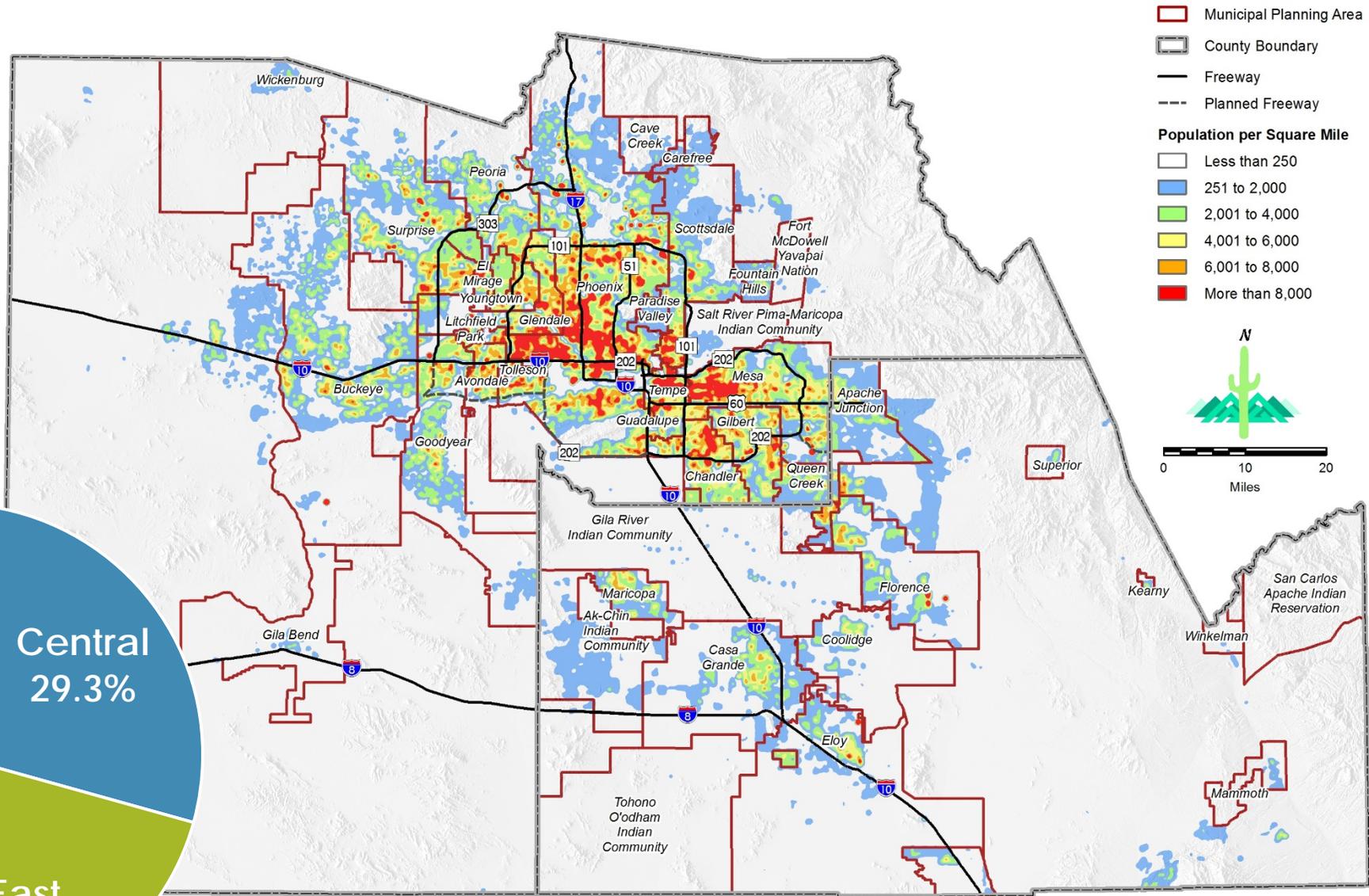
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# Total Population Concentration, 2040 Maricopa and Pinal Counties, Arizona



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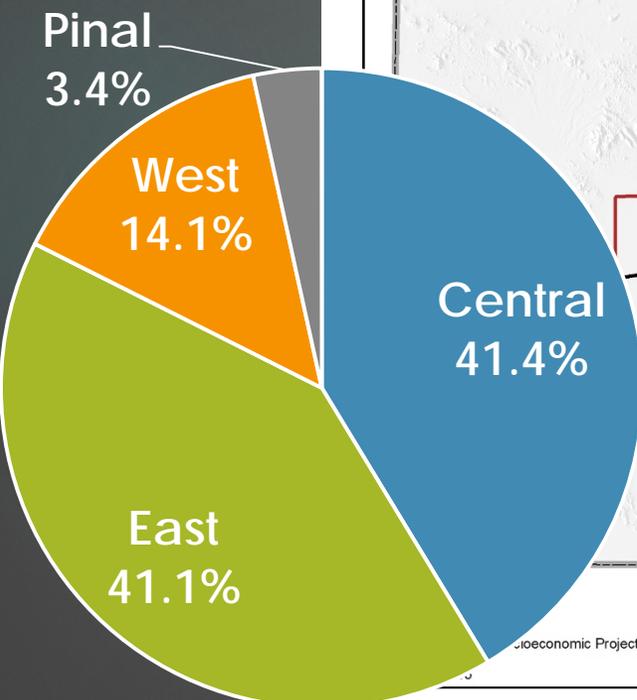
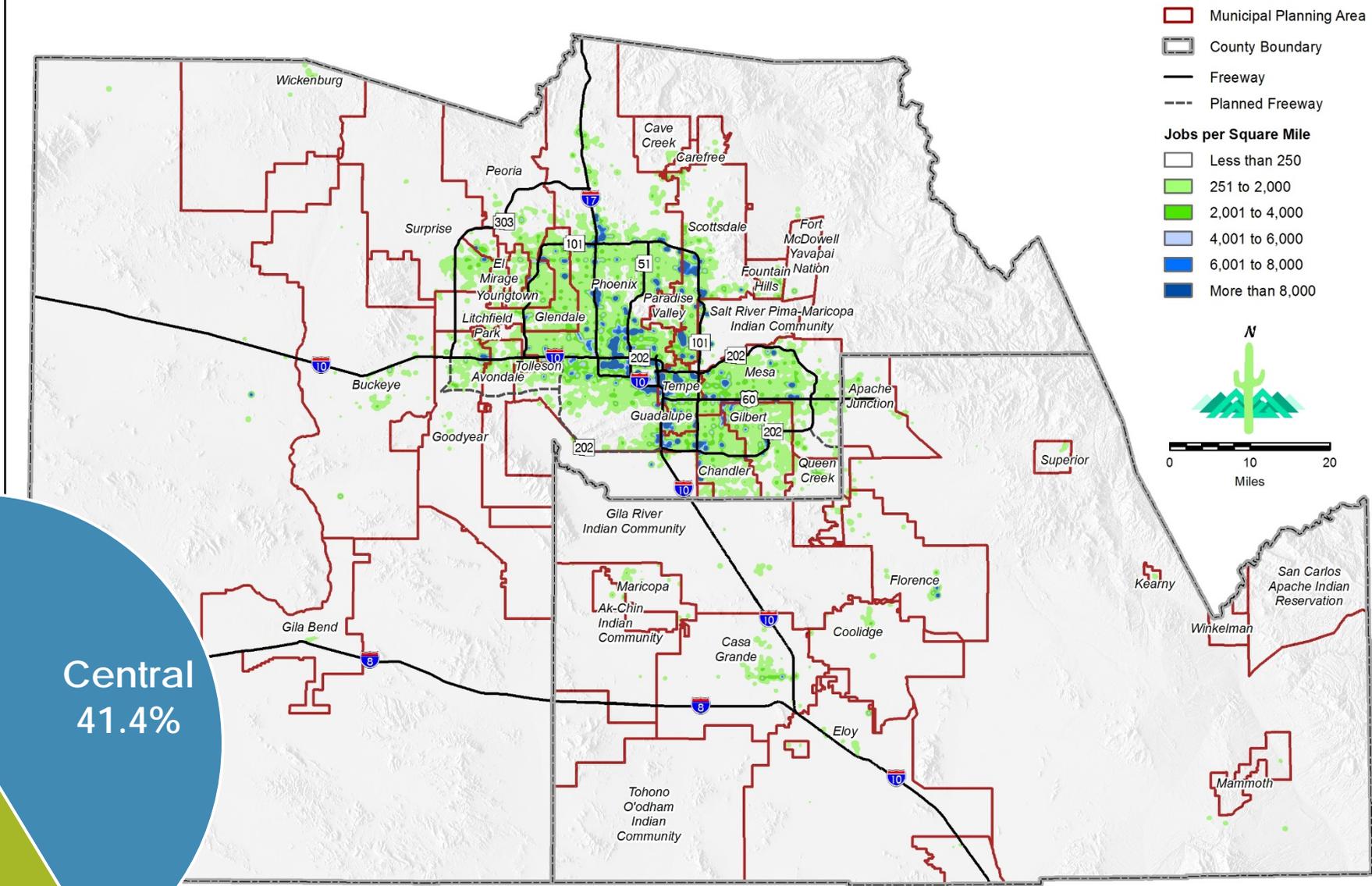
# Total Population Concentration, 2050 Maricopa and Pinal Counties, Arizona



Demographic Projections

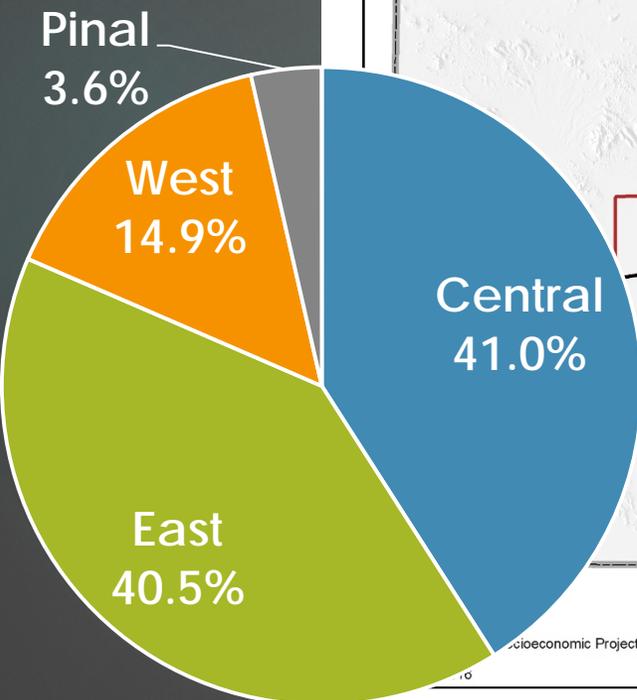
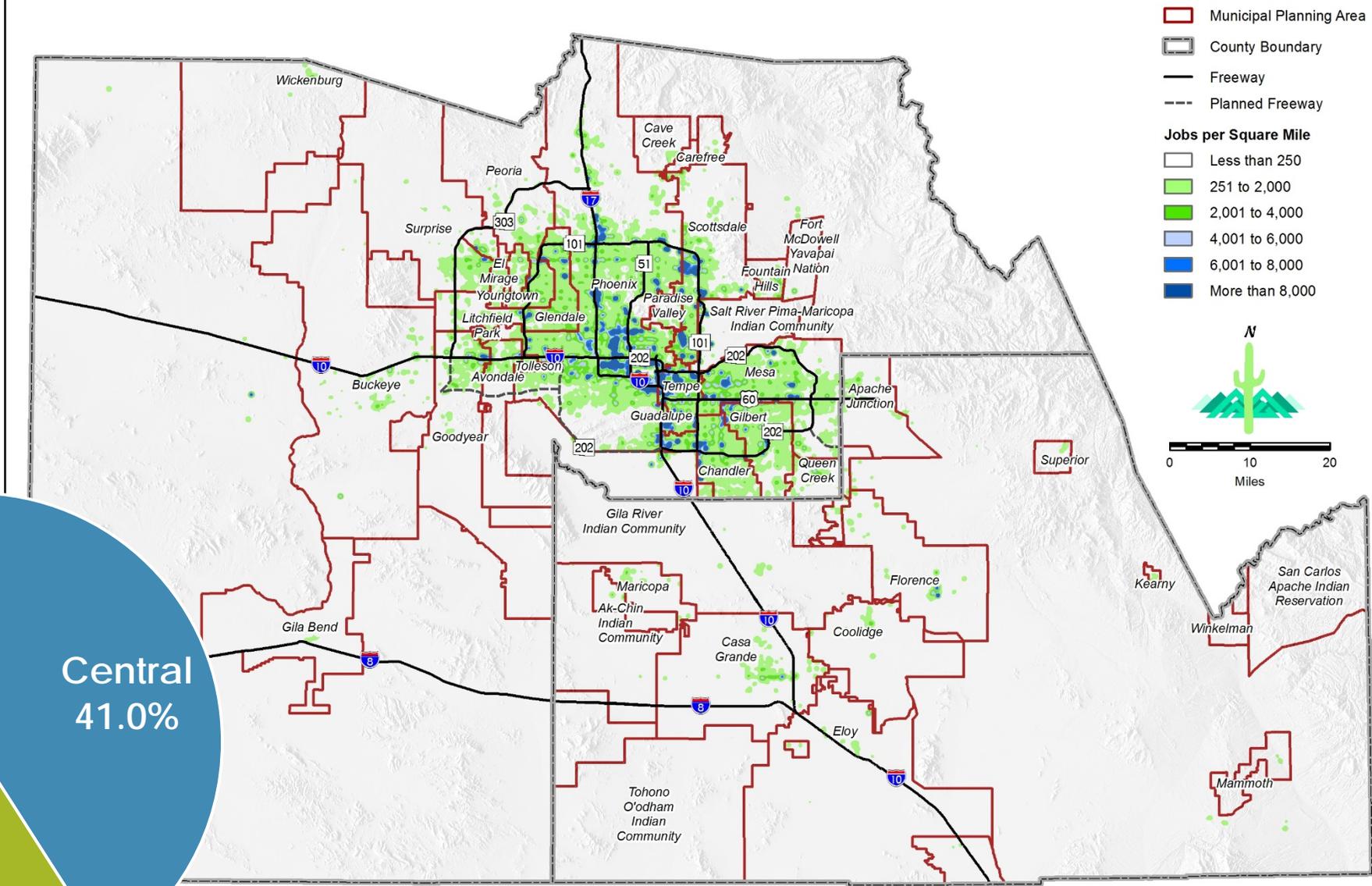
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# Total Employment Concentration, 2015 Maricopa and Pinal Counties, Arizona



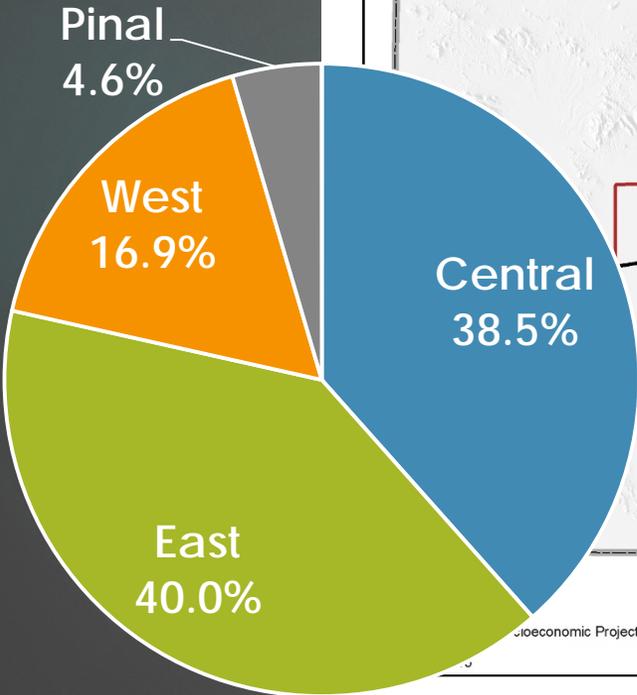
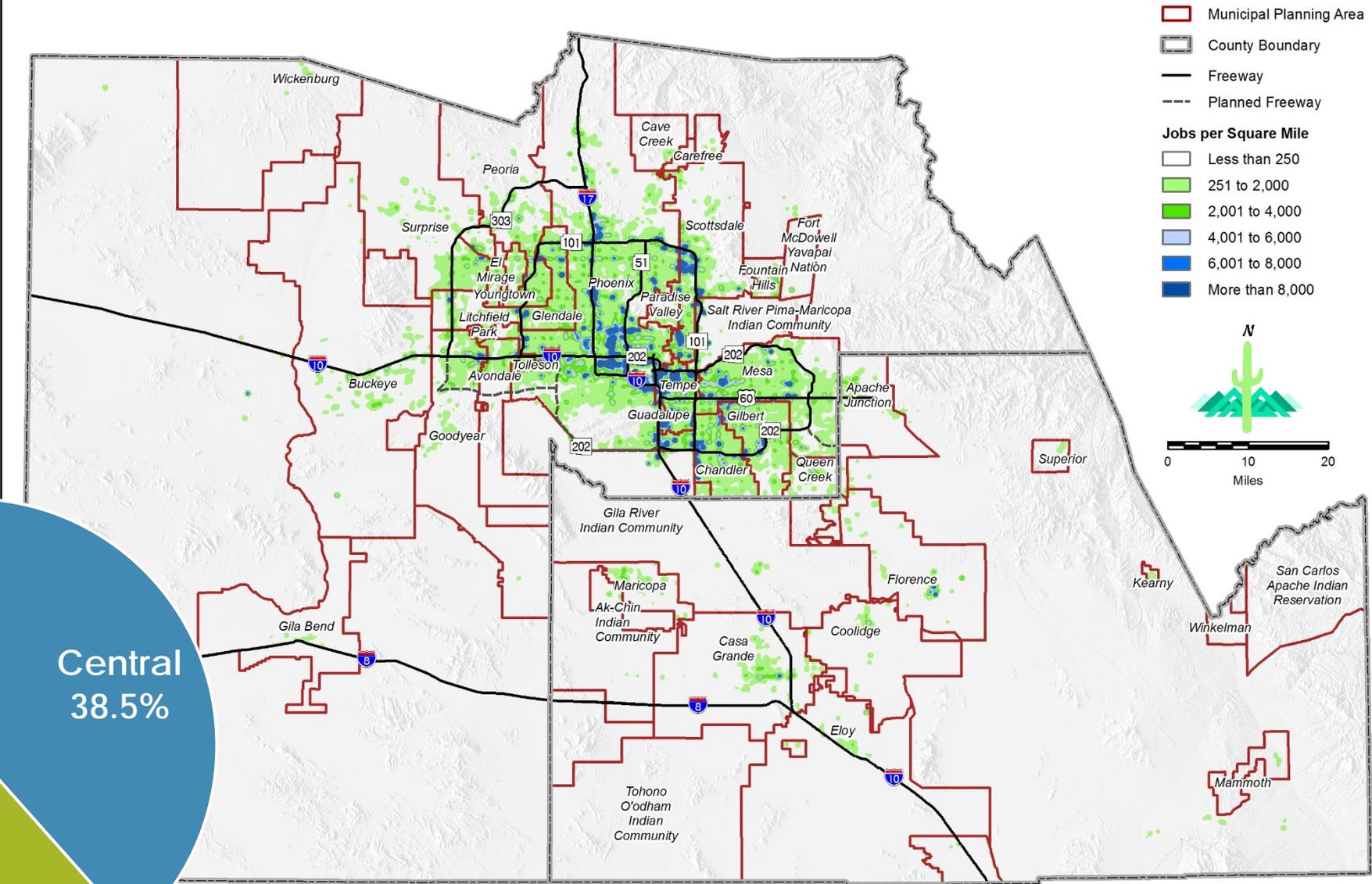
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# Total Employment Concentration, 2020 Maricopa and Pinal Counties, Arizona



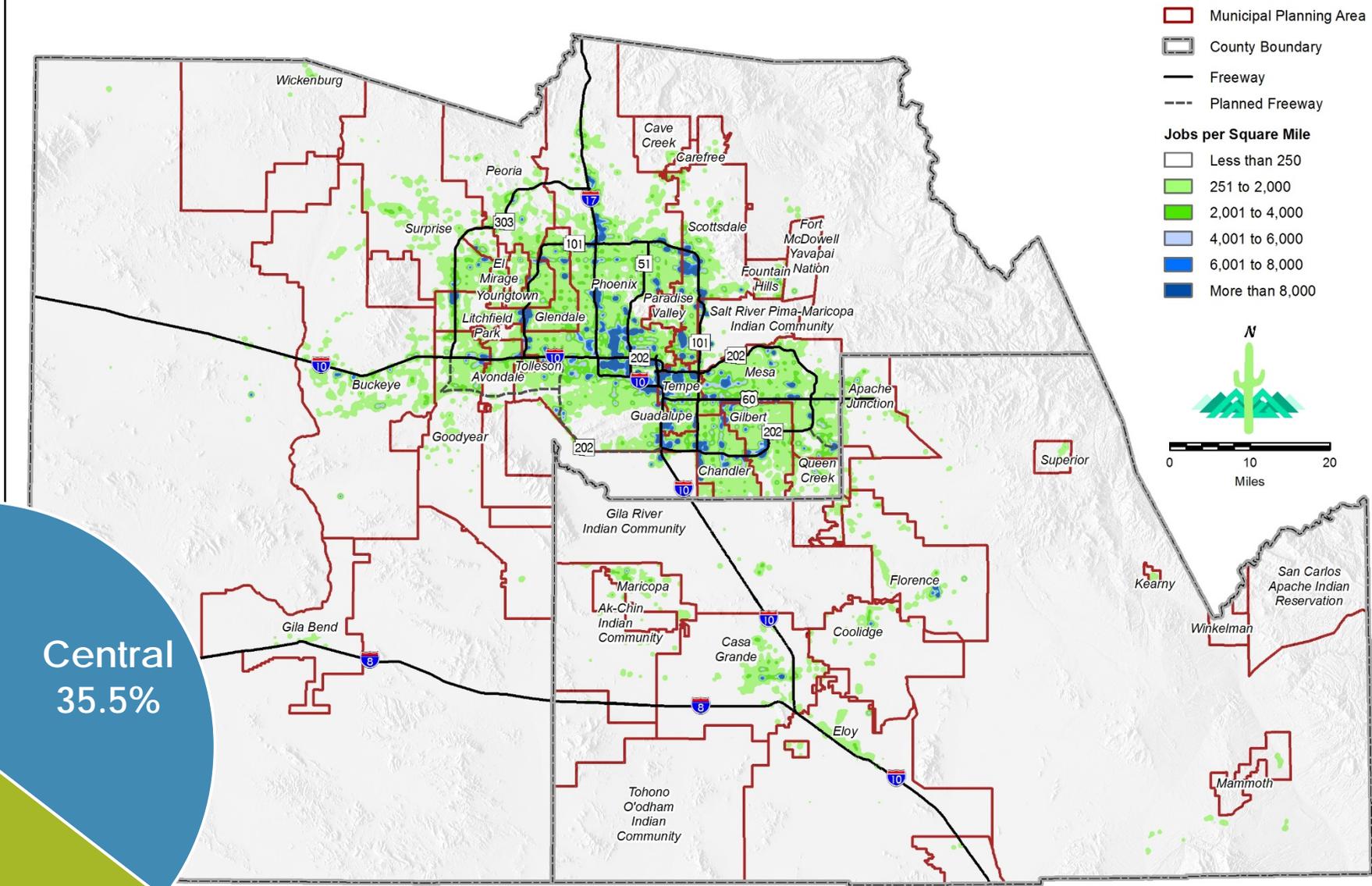
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# Total Employment Concentration, 2030 Maricopa and Pinal Counties, Arizona



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# Total Employment Concentration, 2040 Maricopa and Pinal Counties, Arizona

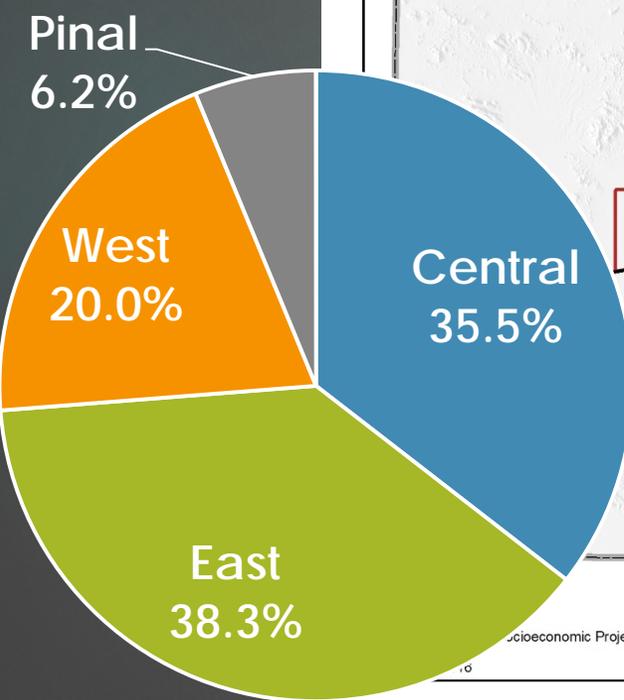


Municipal Planning Area  
 County Boundary  
 Freeway  
 Planned Freeway

**Jobs per Square Mile**

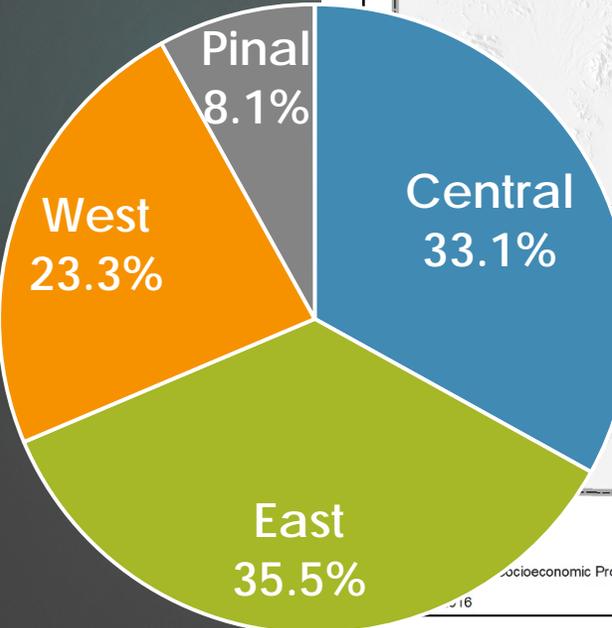
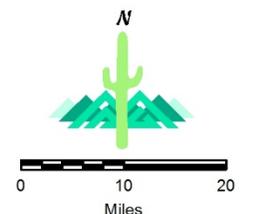
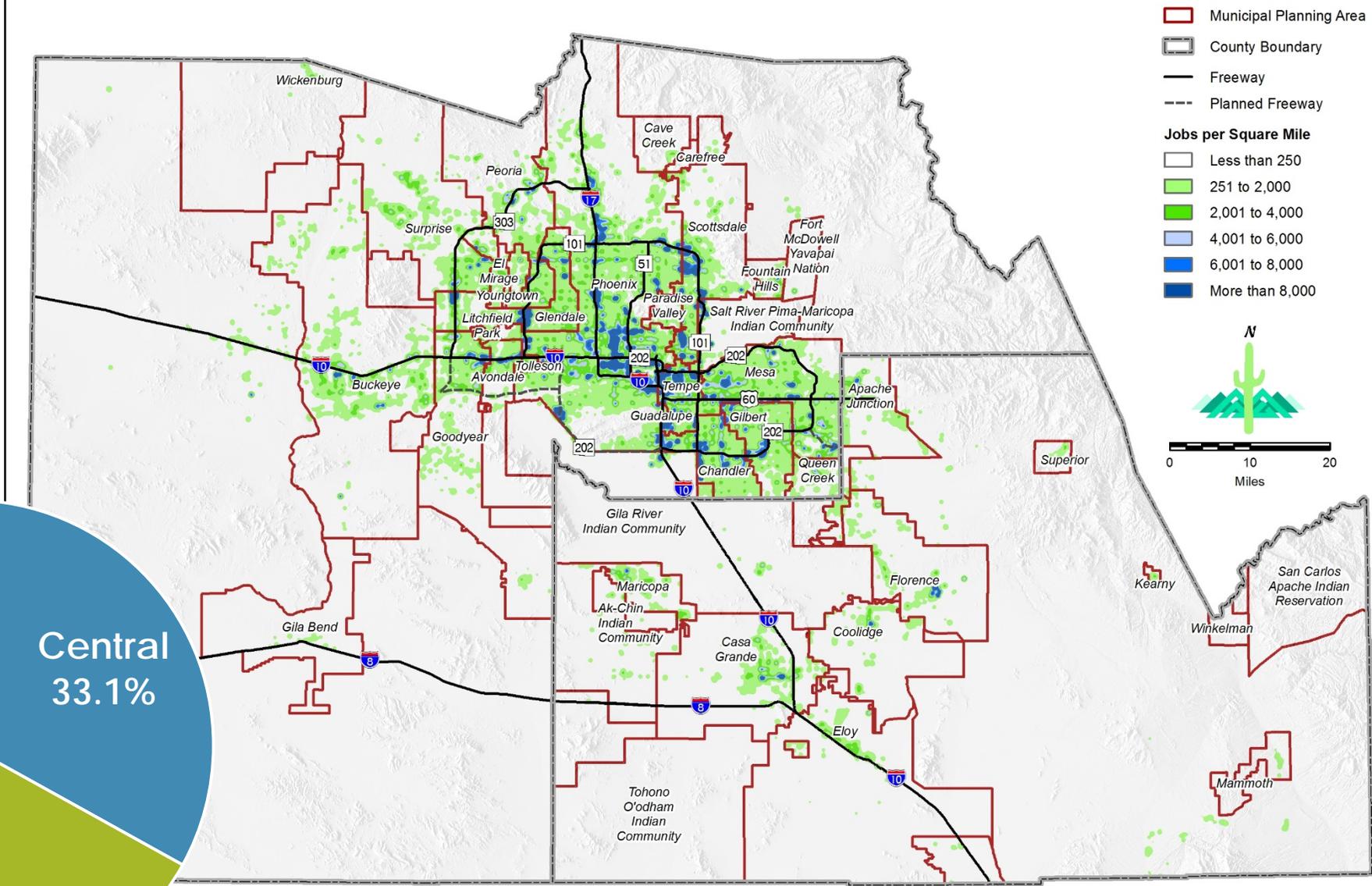
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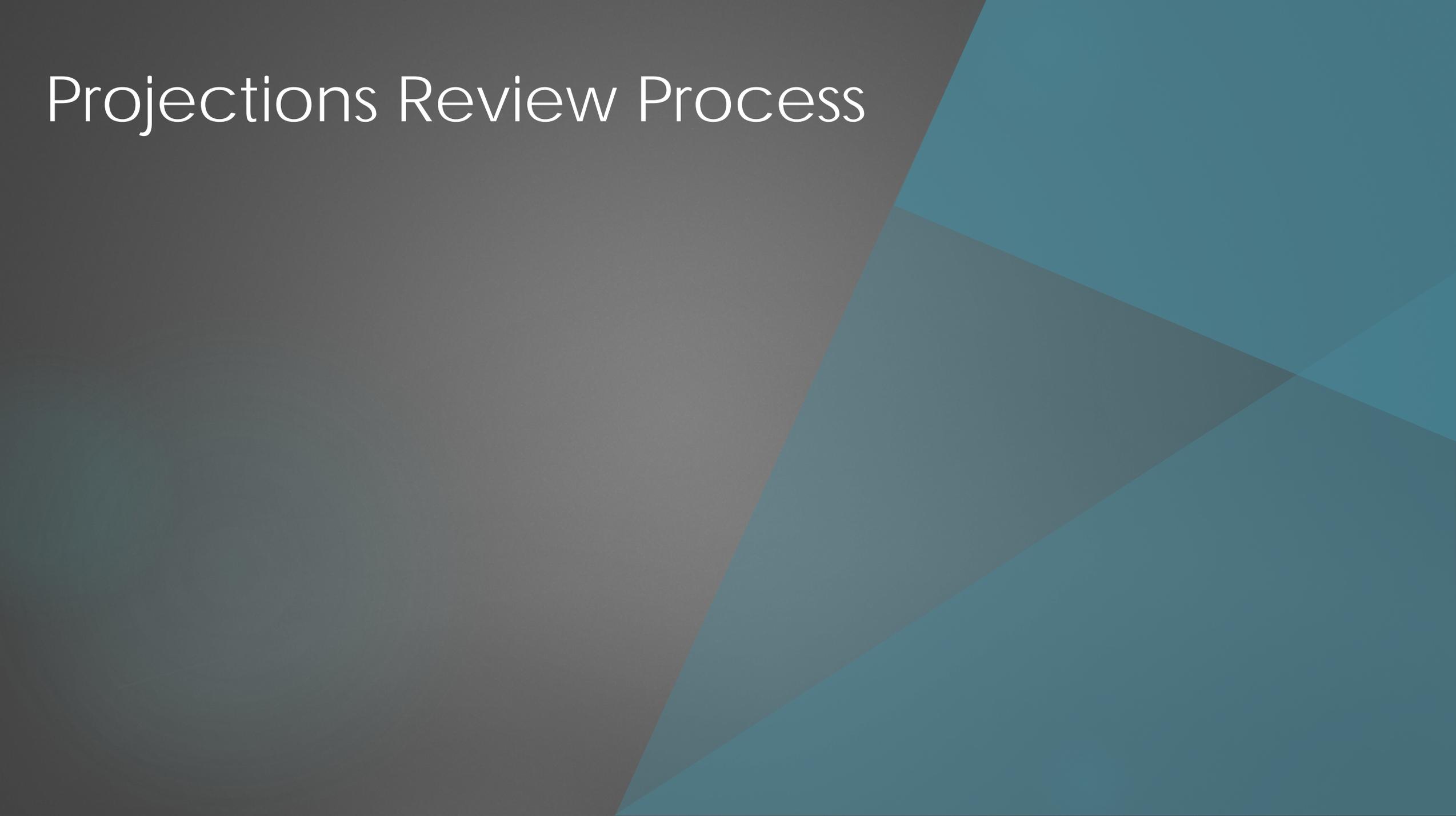
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# Total Employment Concentration, 2050 Maricopa and Pinal Counties, Arizona



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# Projections Review Process

The background features a dark grey area on the left and a teal area on the right. The teal area is composed of several overlapping geometric shapes, including a large triangle and a trapezoid, creating a modern, abstract design.

# Projections Activities 2015/16

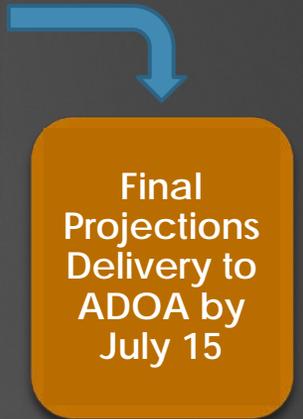


Maricopa County Member Agency Timeline

Ongoing Data Collection and Review, MAG and CAG

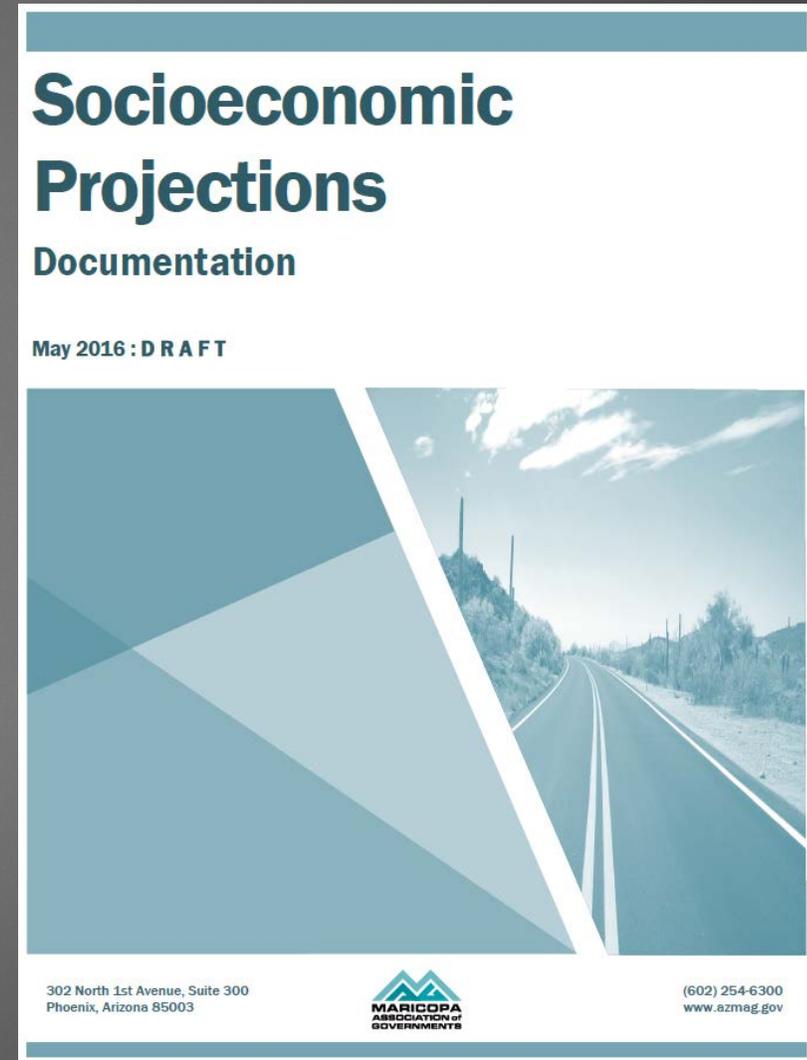


Pinal County Member Agency Timeline



# Projections Documentation

- ▶ Draft documentation available at:  
[http://www.azmag.gov/Information\\_Services/Draft\\_2016\\_Socioeconomic\\_Projections.asp](http://www.azmag.gov/Information_Services/Draft_2016_Socioeconomic_Projections.asp)
- ▶ Detailed AZ-SMART workshop presentation:  
[http://www.azmag.gov/Documents/POPTAC\\_2016-02-23\\_AZ-SMART-Workshop.pdf](http://www.azmag.gov/Documents/POPTAC_2016-02-23_AZ-SMART-Workshop.pdf)



# Next Steps

- ▶ Implement online Projections 2016 map viewer
  - ▶ <http://ims.azmag.gov/>
- ▶ Finalize documentation
  - ▶ Including technical Appendix containing model specifications and diagnostics
- ▶ Continue to analyze projections and support Member Agency projects
- ▶ **QUESTIONS?**

The screenshot displays the website for the Maricopa Association of Governments. The top navigation bar includes 'Mapping', 'Home', 'Data Center', 'Maps', 'About', and 'Contact'. The main content area features a large banner for the 'MAG Region Demographic Map Viewer' with a 'View Map' button. Below the banner, there are three columns of content: 'MAG Region Demographic Map Viewer', 'State Demographic Map Viewer', and 'Employment Map Viewer'. Each column includes an icon, a title, a brief description, and a 'View Map' button. On the right side, there is a 'Release History' section with a list of updates and two buttons: 'Subscribe for Updates' and 'Register for Training'.

MARICOPA ASSOCIATION of GOVERNMENTS Mapping Home Data Center Maps About Contact

## MAG Region Demographic Map Viewer

The Demographic Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected population and housing data. Explore data from Census 2010 and American Community Survey (ACS) 2009-2013 5-year.

[View Map](#)

### MAG Region Demographic Map Viewer

The Demographic Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected population and housing data for the two counties in the MAG Region. Explore data from Census 2010 and American Community Survey (ACS) 2009-2013 5-year.

[View Map »](#)

### State Demographic Map Viewer

The State Demographic Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected population and housing data for the entire State of Arizona. Explore data from Census 2010 and American Community Survey (ACS) 2010-2014 5-year.

[View Map »](#)

### Employment Map Viewer

The Employment Map Viewer is one of the Maricopa Association of Governments interactive mapping and analysis sites, showing selected employer data. Explore the 2014 Employer Database.

[View Map »](#)

#### Release History

The following is a release history of all of the web viewers from MAG. Click on the link to see more detail.

- [Employment Viewer v4.2.0](#)
- [State Demographic Viewer v2.2.6](#)
- [Land Use Viewer v3.0.0](#)
- [MAG Region Demographic Viewer v3.0.12](#)

[Subscribe for Updates](#)

[Register for Training](#)

# POPTAC Recommendation

► To the MAG Management Committee:

To approve the MAG resident population and employment by Municipal Planning Area (MPA) and Regional Analysis Zone for July 1, 2020, 2030, 2040, and 2050, the resolution, and the MAG annual municipality population projections for July 1, 2016 through July 1, 2050.

## A RESOLUTION OF THE MARICOPA ASSOCIATION OF GOVERNMENTS APPROVING THE 2016 MAG SOCIOECONOMIC PROJECTIONS

WHEREAS, the Maricopa Association of Governments (MAG) was formed in 1967 as a Council of Governments and provides regional planning assistance in transportation, air quality, water quality, solid waste, population projections, growth/open space, human services, 9-1-1 and public works; and

WHEREAS, an official set of projections is required to be used in transportation, air quality and water quality management plans as well as providing the base for all other regional planning activities; and

WHEREAS, the MAG Metropolitan Planning Organization (MPO) area encompasses area within both Maricopa County and Pinal County; and

WHEREAS, the MAG region had a population in 2015 of 4.3 million, which accounts for 64% of the state; and

WHEREAS, up-to-date projections are crucial for managing future growth; and

WHEREAS, the general plans of local jurisdictions go beyond their current corporate limits in order to plan for and guide future growth; and

WHEREAS, socioeconomic projections require that the future corporate limits and a consistent geography over time be established for each jurisdiction; and

WHEREAS, Municipal Planning Area boundaries are determined by MAG member agencies in consultation with MAG; and

WHEREAS, Municipal Planning Areas identify the anticipated future corporate limits of a city or town, have been used by MAG in preparing projections since 1983, and are used in the MAG 208 Water Quality Management Plan; and

WHEREAS, MAG worked jointly with Central Arizona Governments (CAG) to create the 2016 MAG Socioeconomic Projections for jurisdictions within Pinal County;

NOW THEREFORE, BE IT RESOLVED that the Regional Council for the Maricopa Association of Governments approves the Municipal Planning Areas and the 2016 MAG socioeconomic projections of population and employment for July 1, 2020, 2030, 2040 and 2050 by Municipal Planning Area and Regional Analysis Zone and by incorporated area annually for July 1, 2015 through 2050 for use in all regional planning activities.

PASSED AND ADOPTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS THIS TWENTY-SECOND DAY OF JUNE, 2016.

\_\_\_\_\_  
Mayor W.J. "Jim" Lane  
Chair, MAG Regional Council

ATTEST:

\_\_\_\_\_  
Dennis Smith  
MAG Executive Director

# 2016 Population and Employment Projections

Team:

Anubhav Bagley

Jesse Ayers

Hanyi Li

Scott Bridwell

Scott Wilken