



Sustainable Development Plan

path for a sustainable future

Get Involved: Help Shape the Vision

plan action vision scenario element

Anything else you're interested in is not going to happen if you can't breathe the air and drink the water. Don't sit this one out. Do something.

- Carl Sagan

Onondaga County Planning Federation

Annual Planning Symposium

Bergmann
associates
architects // engineers // planners



Joanie Mahoney
County Executive
Onondaga County

Don Jordan
Director
Syracuse-Onondaga County
Planning Agency



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Sustainable Development Plan



□ Agenda

- Understanding the Sustainable Development Plan
 - Project team
 - Process
 - What is 'sustainability'
 - Get Involved – Open House Meetings and Website
- Development Scenario Review
 - What is scenario modeling & how will it be used
 - Key findings
- A Review of Sustainability & Fiscal Impacts

Understanding the Sustainable Development Plan



Sustainable Development Plan



our **people** and our **passion** in every **project**

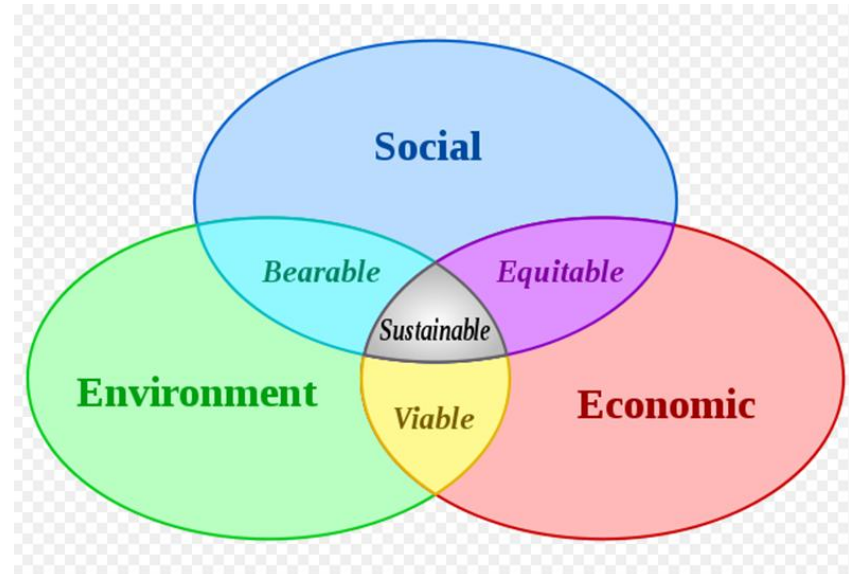


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What is Sustainability?

- meet present needs without compromising the ability of future generations to meet their needs.
- equal consideration of social, environmental and economic benefits and impacts of our actions.
- creates and maintains the conditions under which humans and nature can exist in productive harmony, that permit fulfilling the social, economic and other requirements of present and future generations.





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▣ Visioning Results: Environment

Environment: Top 5 Comments	Votes
Limit sprawling development patterns	17
Improve the bike/path system in the County	15
Clean Onondaga Lake and keep it as undeveloped as possible	13
Bike paths and sidewalks	10
Reduce use of pesticides and fertilizers/compost/use native plants	9
Restore and protect natural resources	9
Clean Onondaga Lake, restore its ecological functions, restore its wetlands, and create(?) a setback trail	9



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▣ Visioning Results: Economic

Economy: Top 5 Comments	Votes
Control sprawl	31
Control sprawl (reuse land instead of spreading out)	14
Develop/facilitate use of renewable energy	12
Master plan to re-densify City of Syracuse	11
Facilitate renewable energy (does the County have authority?)	7



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▣ Visioning: Social

Social: Top 5 Comments	Votes
Recognize the role of a healthy core in attracting people back to the City (schools, housing choice)	21
Address government fragmentation and act more like a cohesive region	8
How do we create equitable school districts (suburbs vs the City)?	6
Support education and youth employment (Say Yes!, youth employment opps)	5
Poverty's influence on schools, housing and trsansit; interrelationships between poverty and regional success and sustainability	5
Build a healthier food system and its contribution towards a more attractive region	5
Support Say Yes!	3



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Current Opportunities for Involvement

- Development Scenario Open Houses
 - August 18 – OnCenter
 - August 22 – Onondaga Lake Park
 - August 23 – Marcellus Town Park
 - August 24 – Manlius Village Center
- Open House format with stations set up to collect comments and preferences

CHOOSE OUR FUTURE Ballot

	Current Trends	Smart Growth		Current Trends	Smart Growth
Infrastructure & Land Use Access to multi-modal facilities:	<input type="checkbox"/>	<input type="checkbox"/>	Economic Development & Revitalization Development opportunity:	<input type="checkbox"/>	<input type="checkbox"/>
Vehicle miles of travel:	<input type="checkbox"/>	<input type="checkbox"/>	Livability Accessibility to community assets:	<input type="checkbox"/>	<input type="checkbox"/>
Access to jobs:	<input type="checkbox"/>	<input type="checkbox"/>	Persons & jobs in proximity to assets:	<input type="checkbox"/>	<input type="checkbox"/>
Open Space & Farmlands Rural acreage preserved:	<input type="checkbox"/>	<input type="checkbox"/>	Tax & Fiscal Policy Tax base:	<input type="checkbox"/>	<input type="checkbox"/>
Housing Housing diversity:	<input type="checkbox"/>	<input type="checkbox"/>	Intermunicipal Planning Municipal area and population:	<input type="checkbox"/>	<input type="checkbox"/>
Water Resources & Green Infrastructure Water use:	<input type="checkbox"/>	<input type="checkbox"/>	Intermunicipal coordination:	<input type="checkbox"/>	<input type="checkbox"/>
Water quality:	<input type="checkbox"/>	<input type="checkbox"/>	Overall Preferred Scenario:	<input type="checkbox"/>	<input type="checkbox"/>
Energy Energy consumption:	<input type="checkbox"/>	<input type="checkbox"/>	*Please circle the 5 individual factors most important to you		
Greenhouse gas emissions:	<input type="checkbox"/>	<input type="checkbox"/>	Your City/Town/Village of residence: _____		
Additional Comments: _____					

Please visit <http://future.ongov.net> to provide additional comments



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Current Opportunities for Involvement

Website

- future.ongov.net

Open House Walk Around Survey will be available online!



Development Scenario Review



RENAISSANCE PLANNING GROUP

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Envision Our Future: Scenarios, Indicators and Measures



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Open House Information

- Comparing Future Scenarios
 - ▣ Existing
 - ▣ 2035 Future A
 - ▣ 2035 Future B
- Feedback
 - ▣ Planning partners
 - ▣ Public



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Measuring Relative Benefits

- Limitations
 - Time and money
 - Data
 - Technical Tools
- Usefulness
 - Indicators
 - Leverage Findings
 - Comprehensive Understanding
 - Areas of Emphasis for Policy Development



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Issues

- Population
 - County-wide and Regional Sprawl
- State of Economy
 - Economic Development
- Fiscal Health of Local Government
 - Growth is good...
 - Syracuse
- Weather



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Opportunities

- Quality of Life
- Not in Mega-region
- Retirees
- Young Workers and Entrepreneurs
 - ▣ From Inside and Outside

Scenarios Approach



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Desired Outcomes

- Future Implications
 - ▣ Continuation of Trends
 - ▣ Today's Policies and Decisions
- Realistic Assessment
 - ▣ Benefits of Different Types of Growth
 - Suburban Town and Village
 - Compact and Mixed Use
 - Efficiency and Livability
 - Sustain Existing Communities
- Informative, not Prescriptive



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Approach

- Existing Plans and Information
- GIS/CorPlan
- Land Use Analysis
 - ▣ Land Suitability
 - ▣ Allocation of People and Jobs



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Technical Tools

- GIS
 - ▣ ¼ Acre Each
 - ▣ Organize and Relate Data
- CorPlan
 - ▣ Land Suitability
 - ▣ Estimate Change





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Understanding Changes Over Time

- Locational Efficiency
 - Regional Patterns
 - Structural Change
 - Systems Efficiency
 - Investment Decisions
 - Economic Issues
 - Socioeconomic Changes
 - Demographic Preferences
 - Dynamic Interactions
- Proximity to Transit
 - Jobs to Housing Balance
 - Increase in Fuel Efficiency
 - Congestion Reduction
 - Markets and Governments
 - Cost of Living
 - Household Size
 - Choice Participation
 - Location Choice

Scenarios Results



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Onondaga Rate of Change

	2007	Future A	Future B
Onondaga County Population	458,485	442,977	448,514
Onondaga County Employment	252,455	279,246	279,301

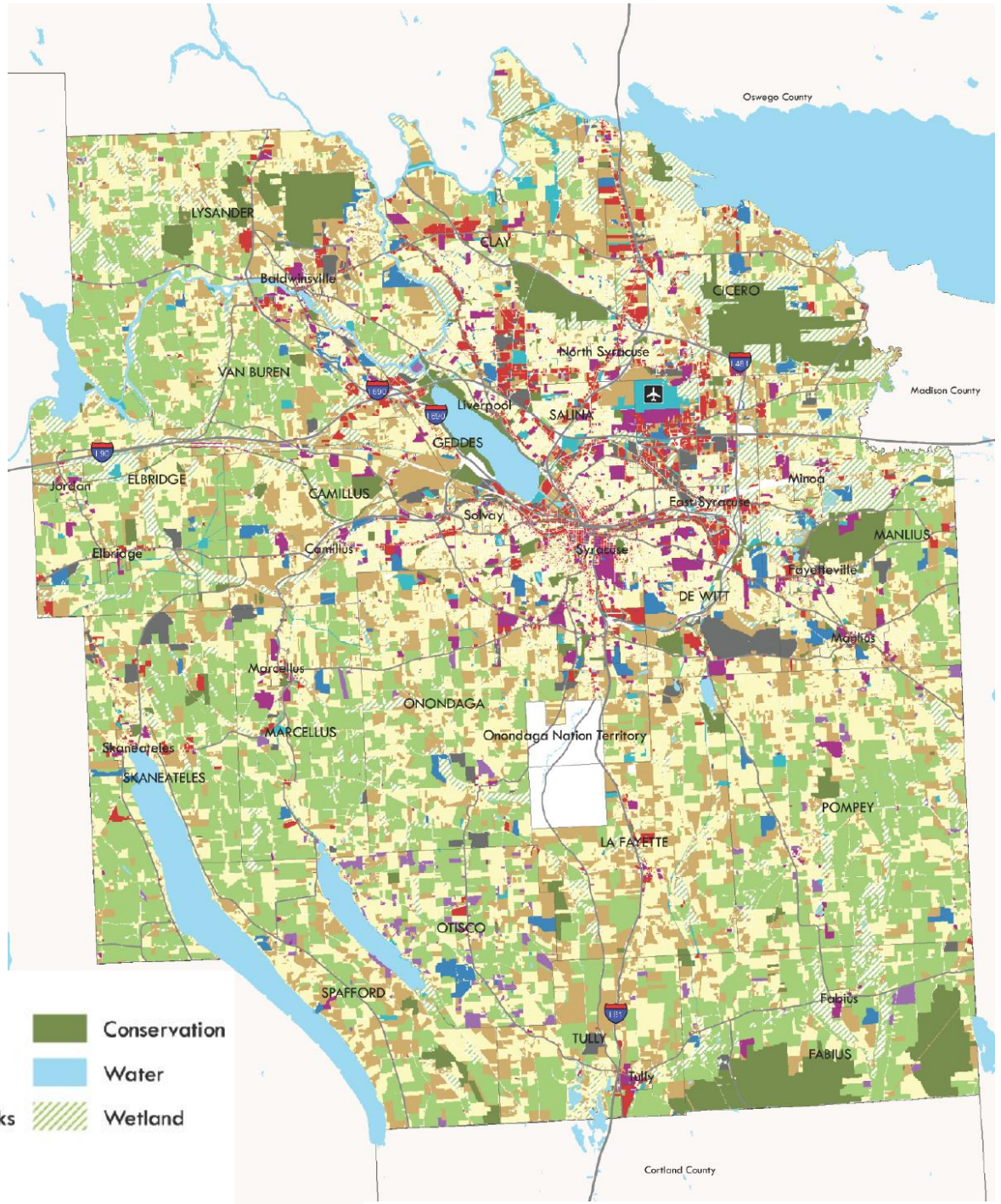


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2007 Base

General Land Use

- Residential
- Commercial
- Other uses



LEGEND

 Agricultural	 Public Services	 Conservation
 Residential	 Recreation/Entertainment	 Water
 Commercial	 Conservation Land/Public Parks	 Wetland
 Industrial	 Vacant	
 Community Services	 Other	

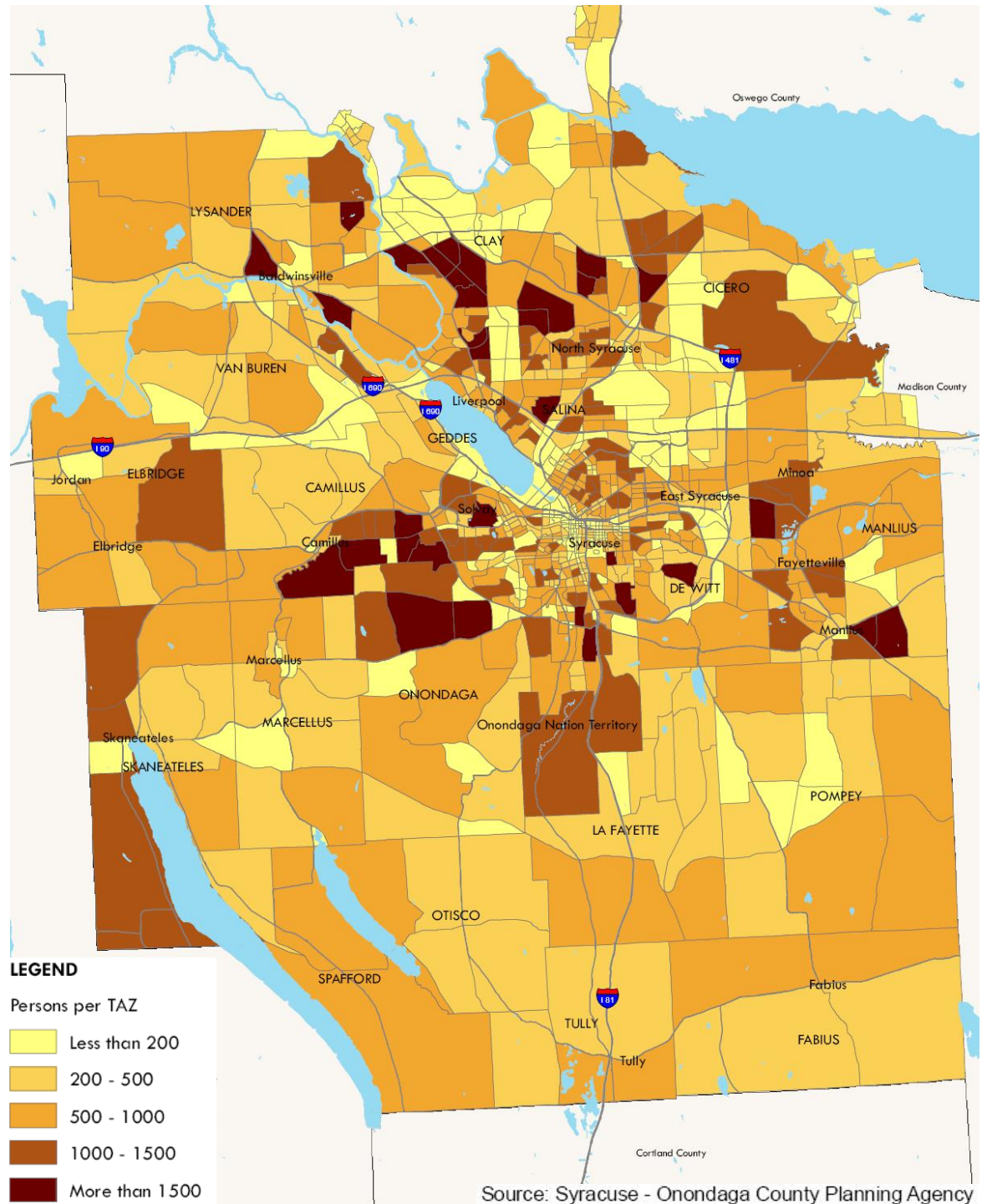
Source: Syracuse - Onondaga County Planning Agency, Renaissance Planning Group



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2035 Future A

- TAZ Existing
- 2007 Population: 458,579

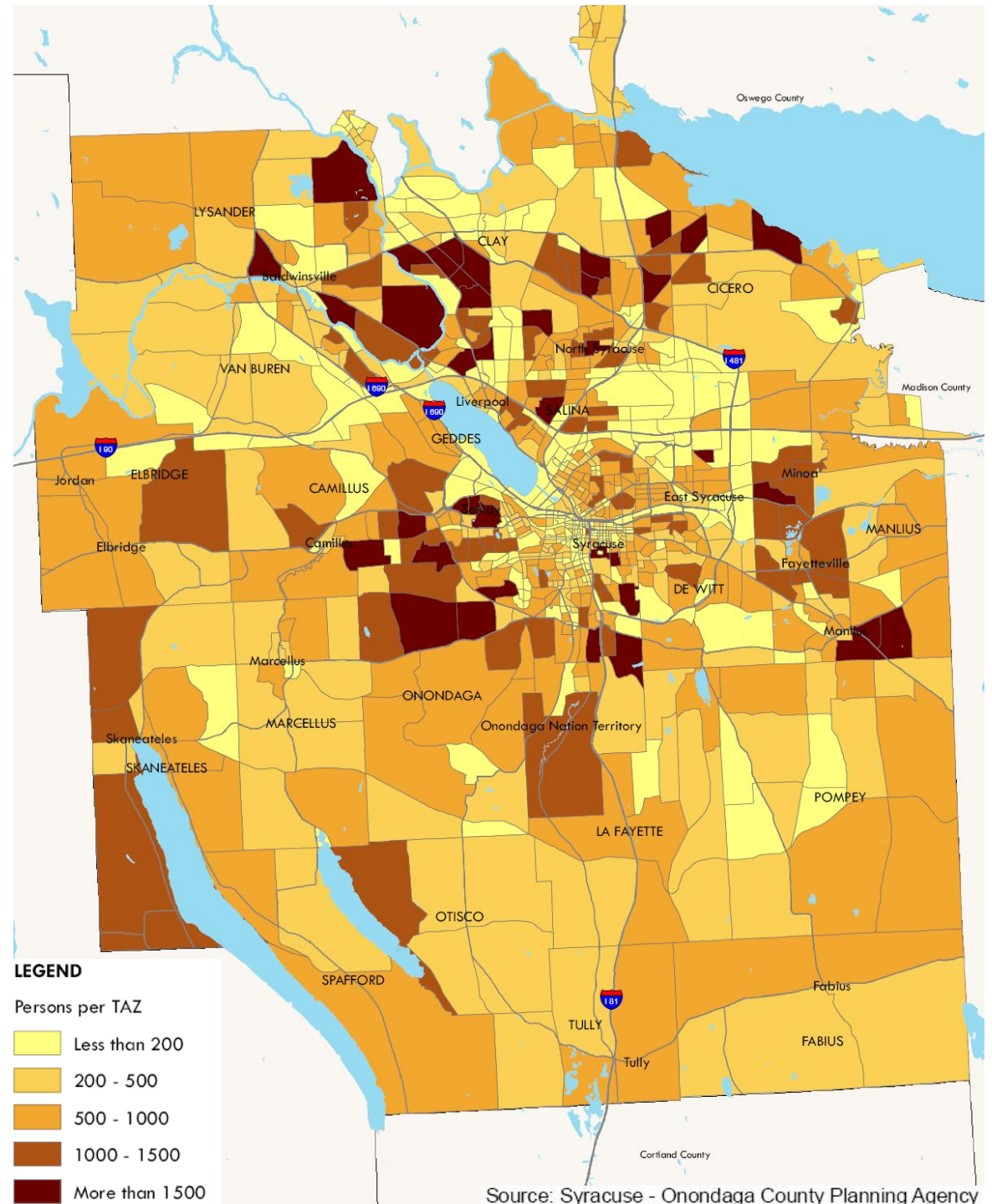




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2035 Future A

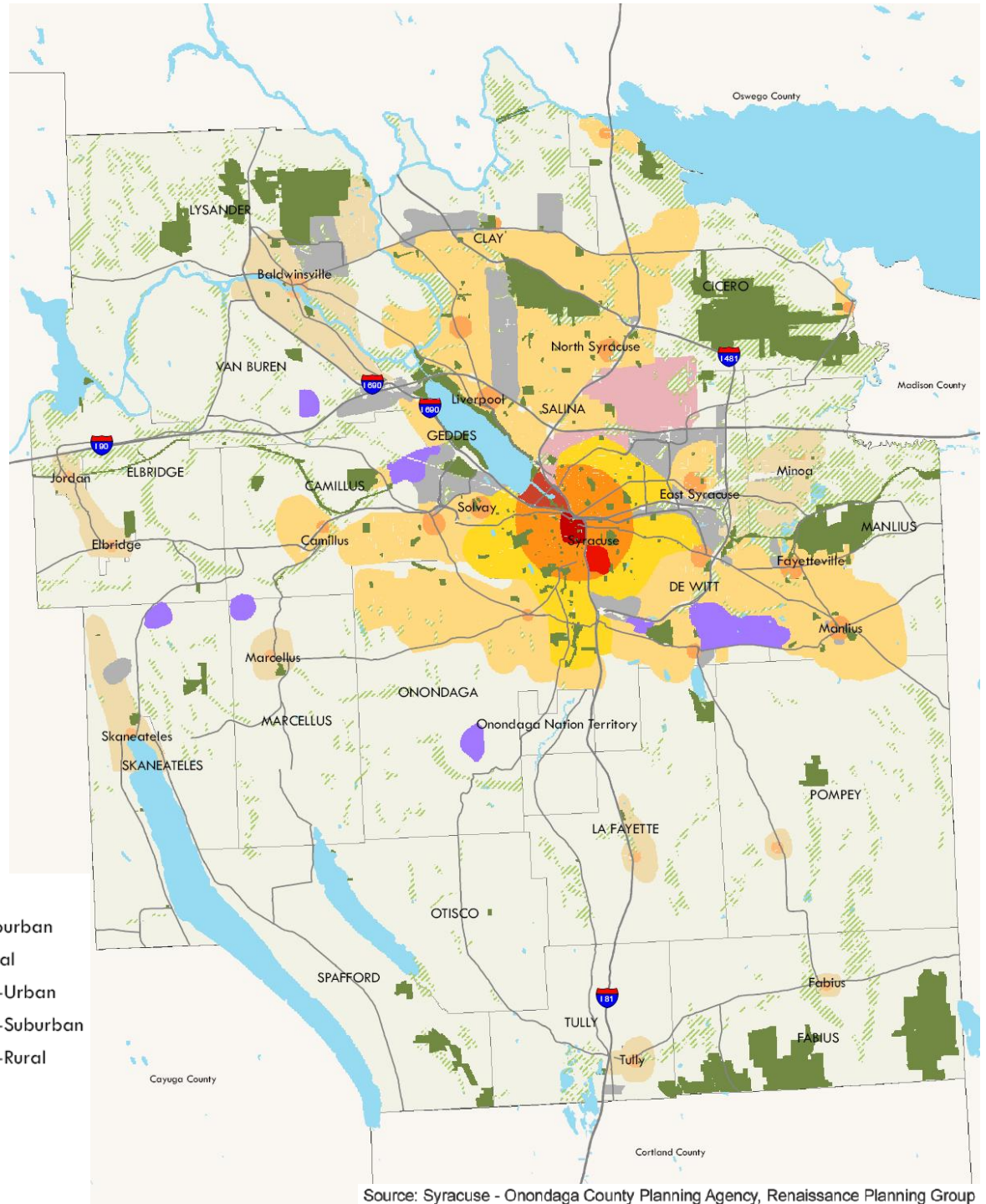
- TAZ 2035
- 2035 Population: 442,703





2035 Future B

- Land Use Vision Map
- From the 2010 Development Guide



LEGEND

- | | |
|---|--|
| Downtown | Neighborhood-Suburban |
| University Hill | Neighborhood-Rural |
| Lakefront | Community Center-Urban |
| Stadium/Market/Transportation District | Community Center-Suburban |
| Airport | Community Center-Rural |
| Industrial/Commercial District | Mineral Resources |
| Neighborhood-Urban | Conservation |
| | Water |
| | Wetland |

Source: Syracuse - Onondaga County Planning Agency, Renaissance Planning Group



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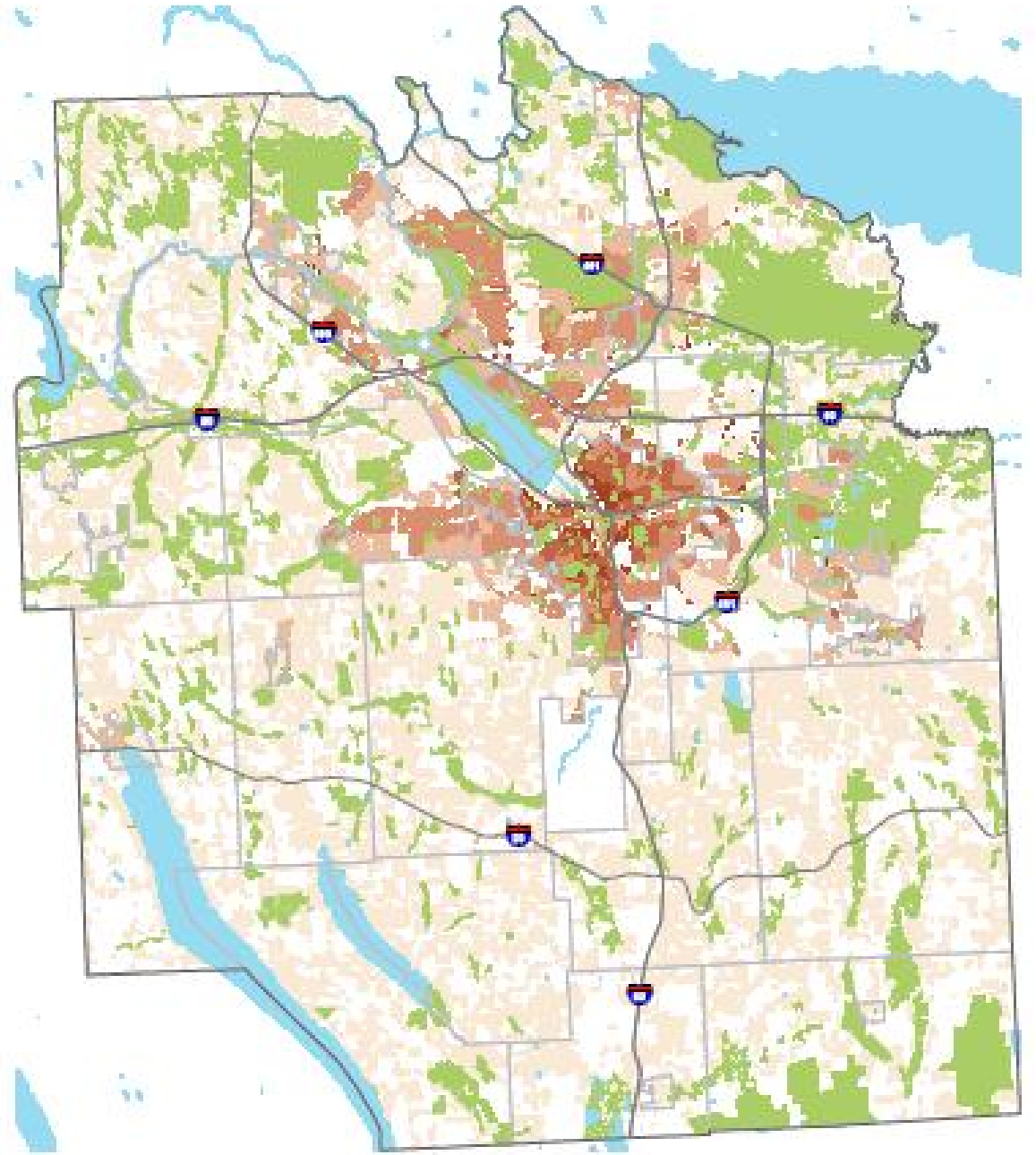


Results Overview

- Efficiency and Livability
 - Proximity to Community Assets
 - Population and Employment in Walkable Areas
 - Access to Transit
- Regional Dynamics
 - Jobs to Housing Balance
 - Vehicle Miles of Travel
- Energy and Greenhouse Gases

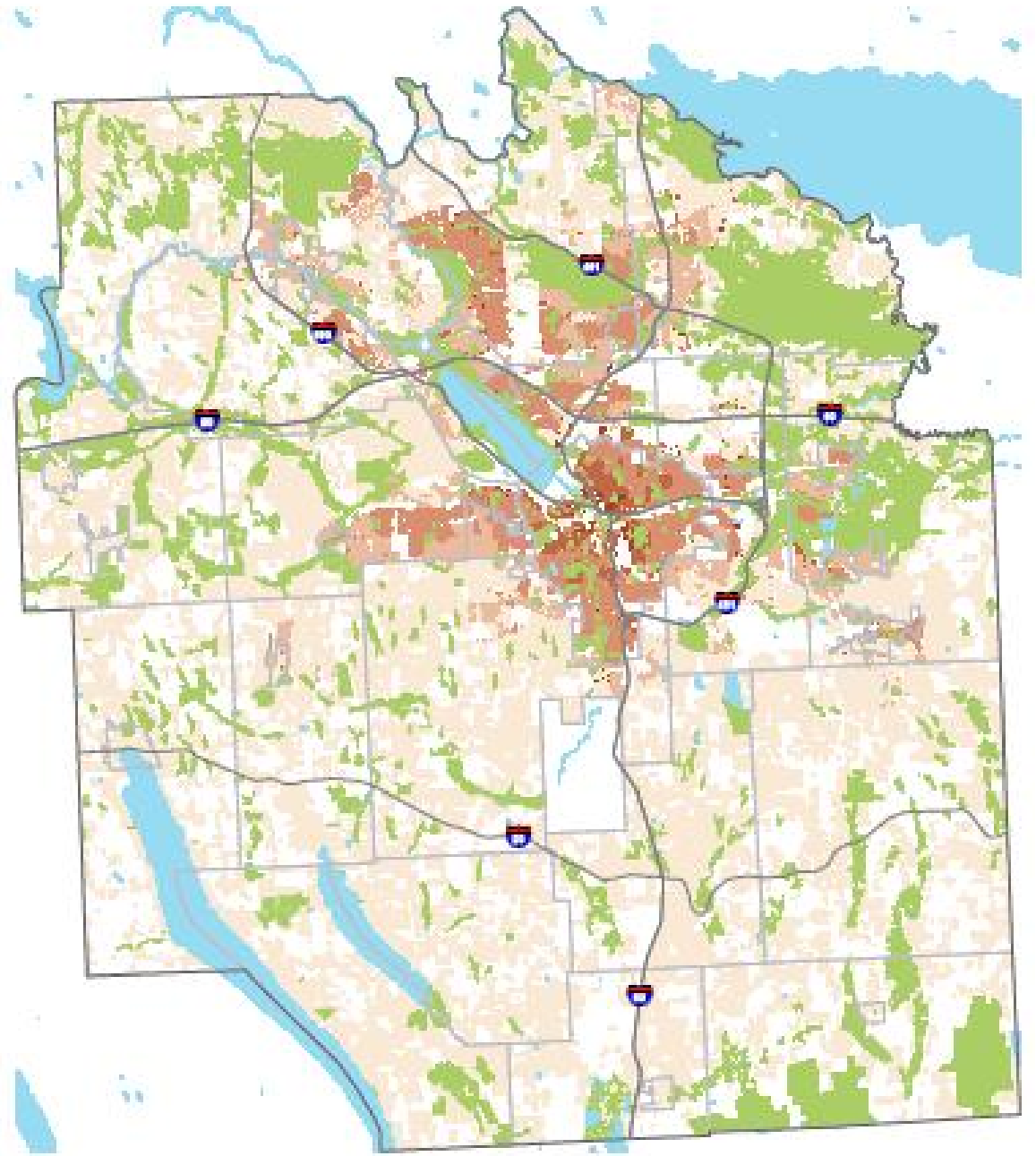


Population 2007



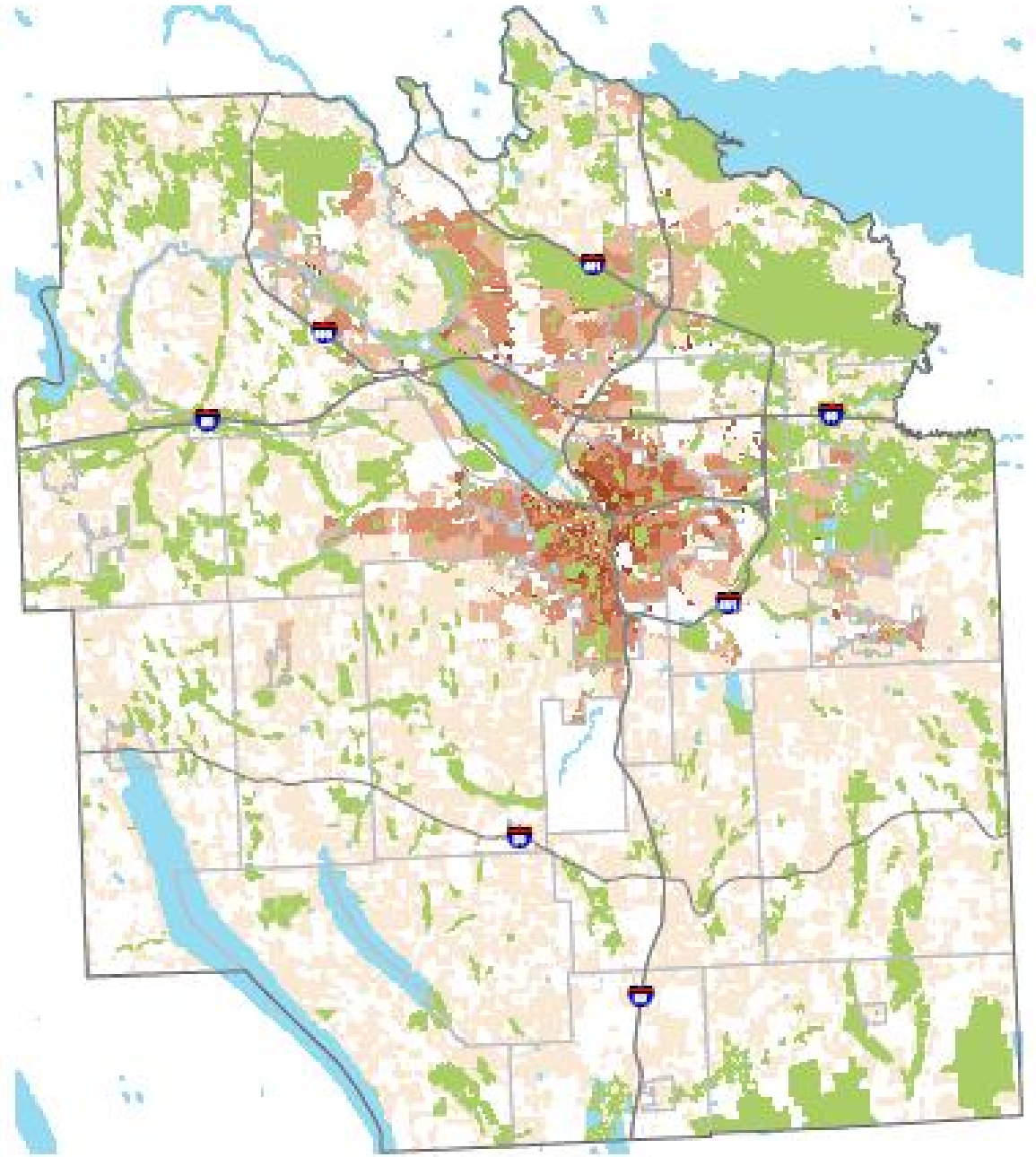


Population Future A





Population Future B



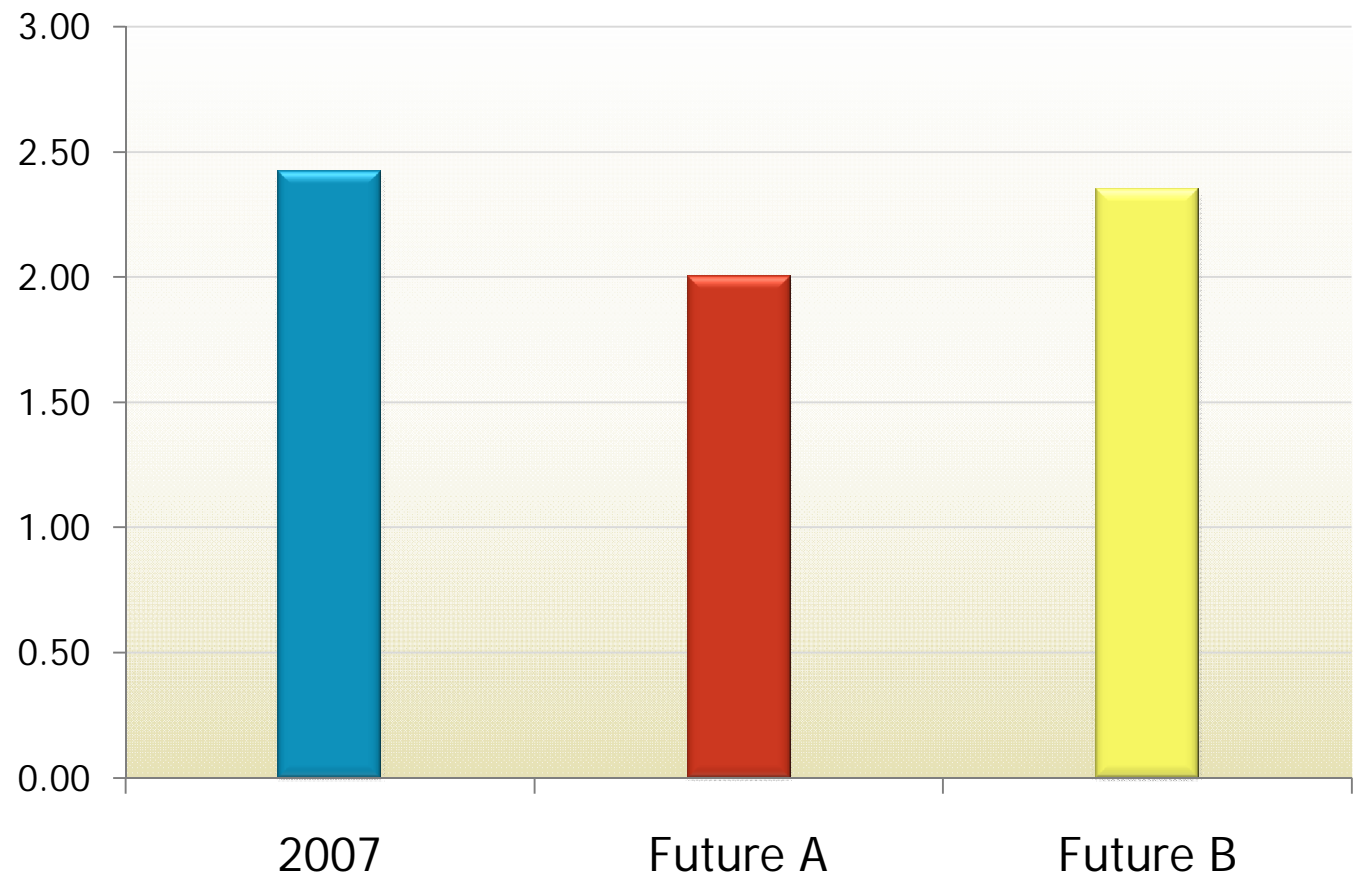


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Population Density

Average Persons per Acre in Residential Areas



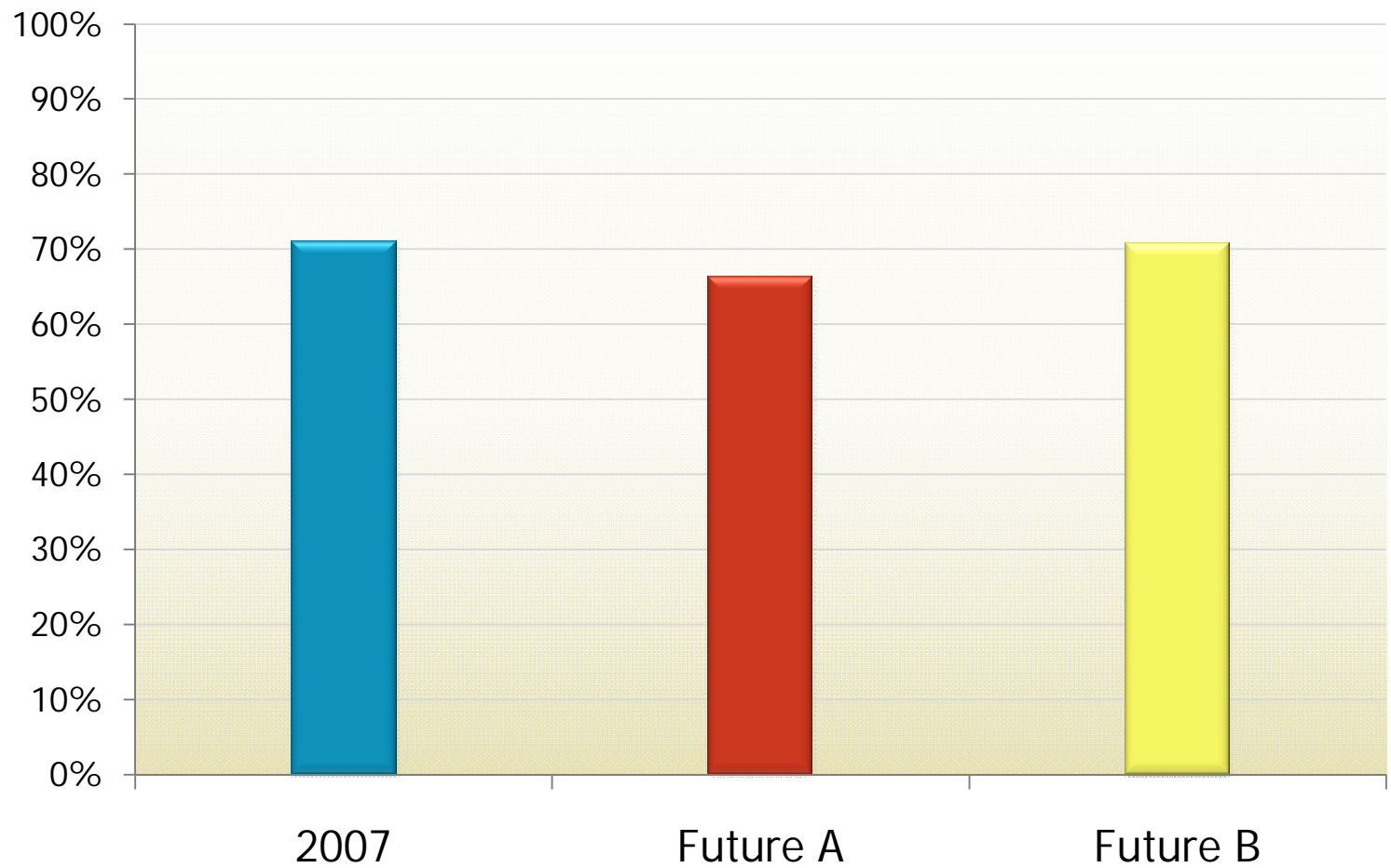


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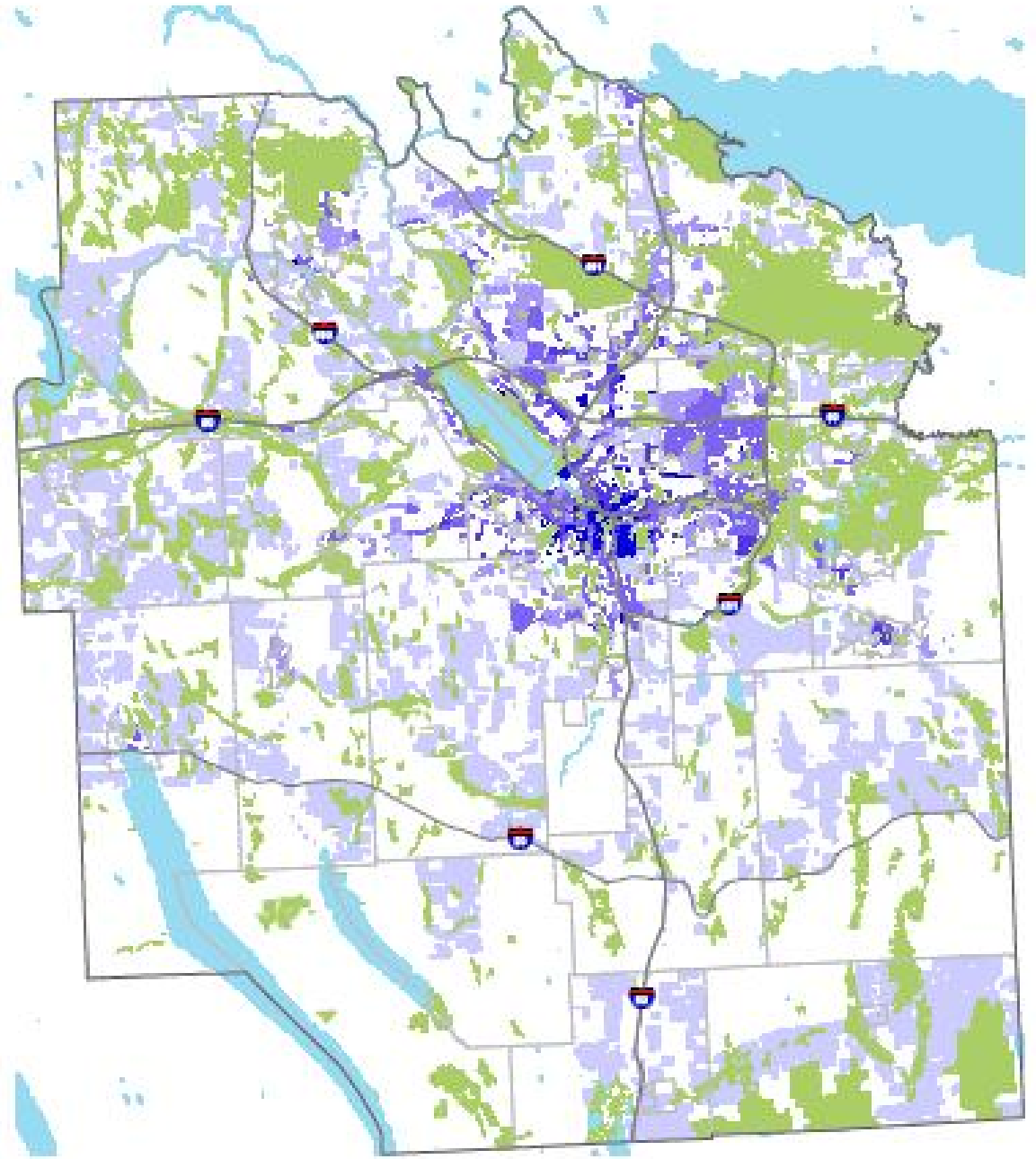
Housing Diversity

Percentage of Residential Medium and High



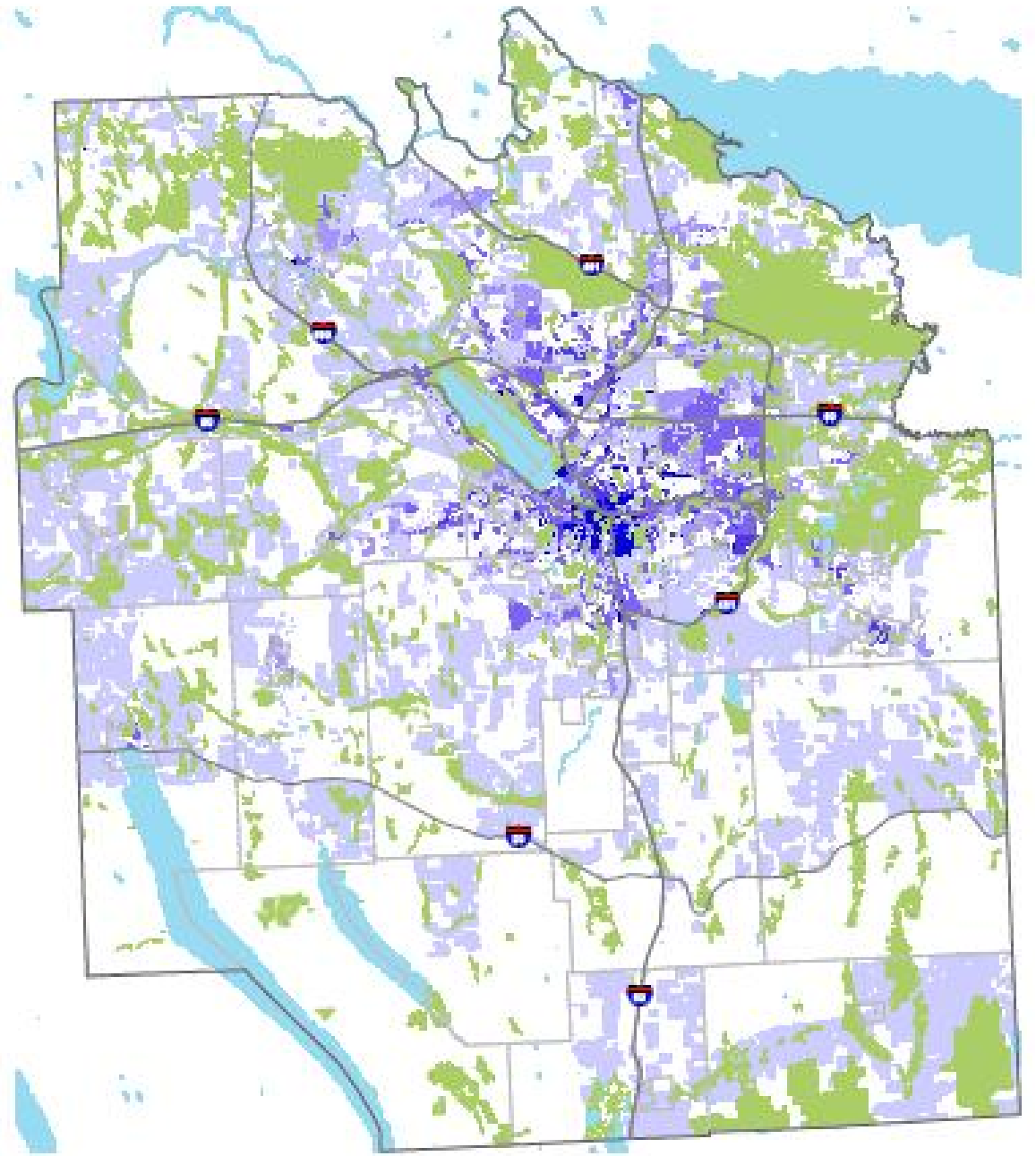


Employment 2007



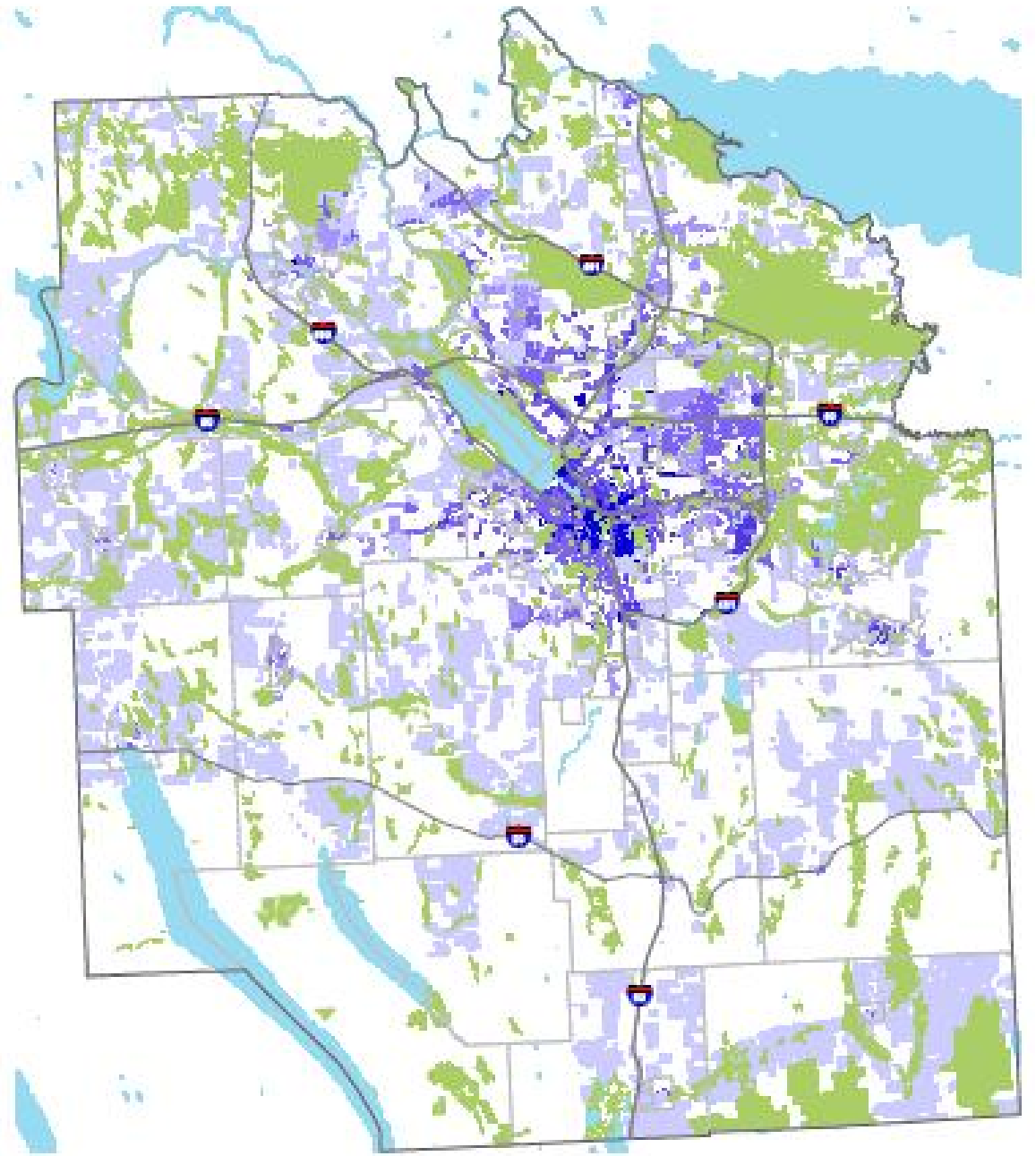


Employment Future A





Employment Future B





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Employment Distribution

Area Type	2007	Future A	Future B
Dense Urban	40.4%	41.0%	42.1%
Minor Urban	7.8%	7.1%	7.1%
Suburban	44.3%	43.9%	43.1%
Rural	7.6%	8.0%	7.7%

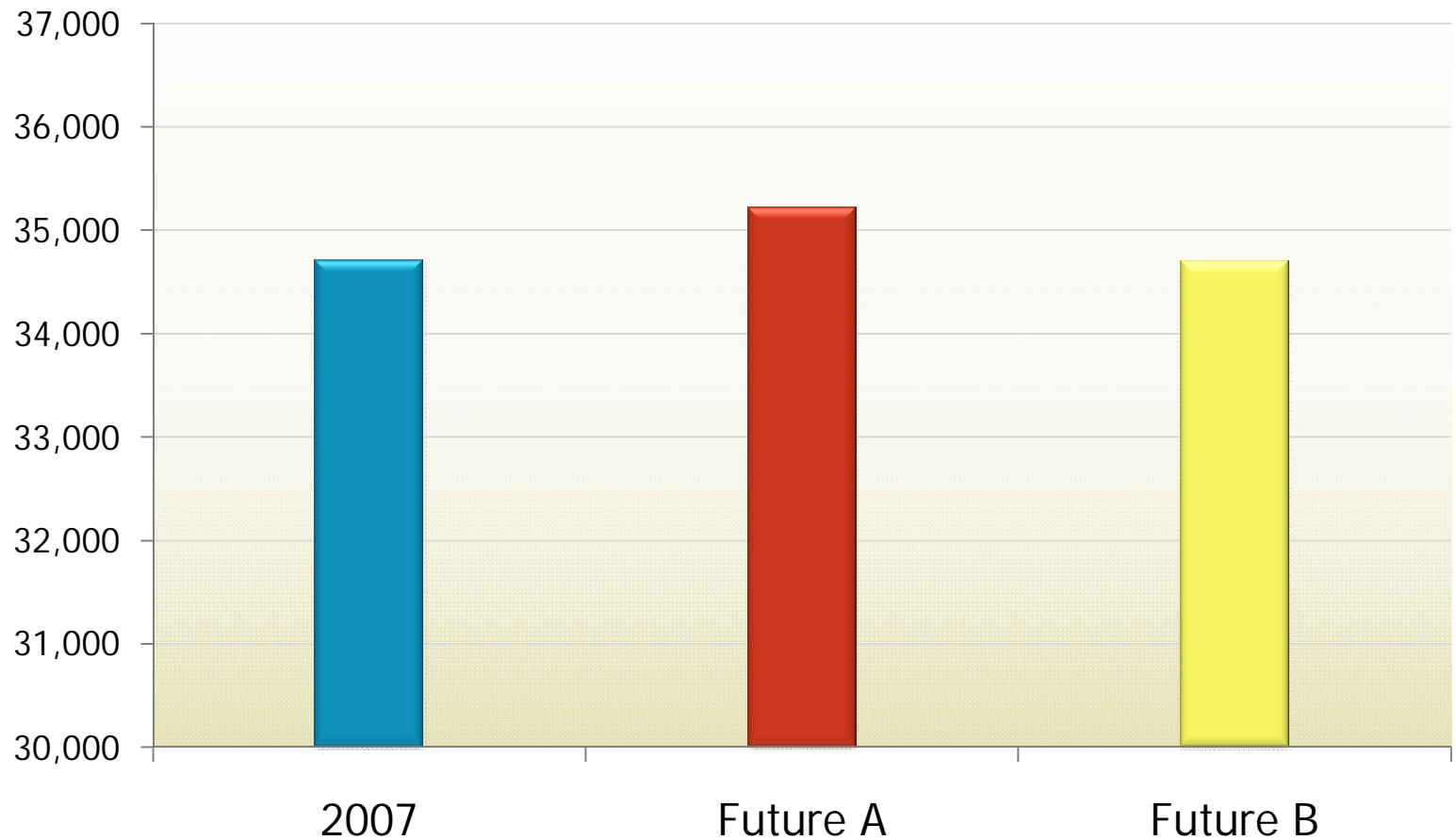


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Urban Footprint

Total Urban Footprint in Acres





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Rural Land Consumption	Future A	Future B
Total Agricultural and Vacant Rural Land	143,104	143,104
Total Land Used for Growth	17,751	191
Percentage of Existing Agricultural and Vacant Rural Land Used	12.4%	0.1%

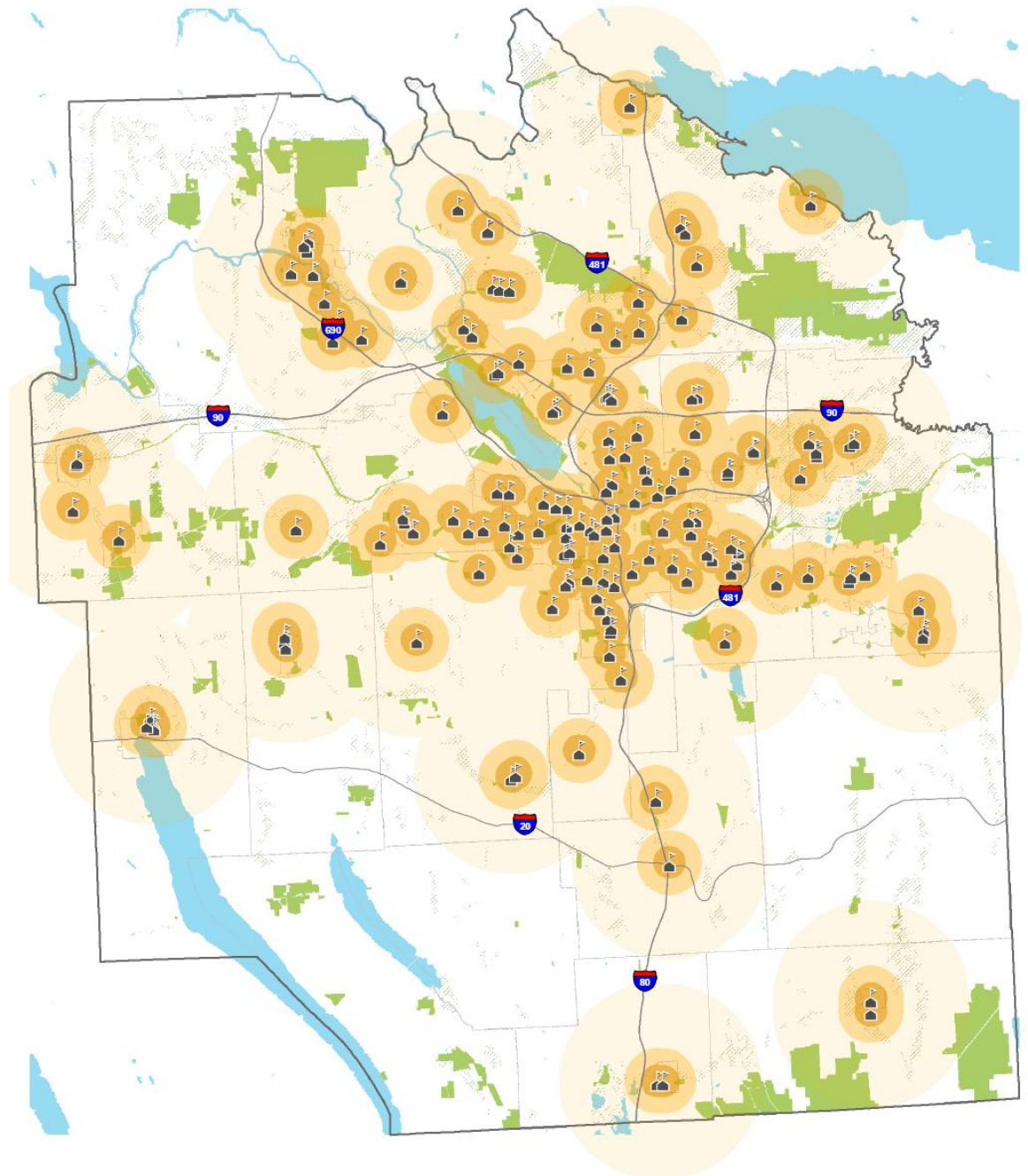


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Community Assets

Proximity Analysis

Park	227
Supermarket	44
Fire Station	89
Library	32
Police Station	31
School	154
Government Services	87
Higher Education	8
Hospital	8
Open Space	44
Regional Shopping	11
Religious Institution	373
Venues	19



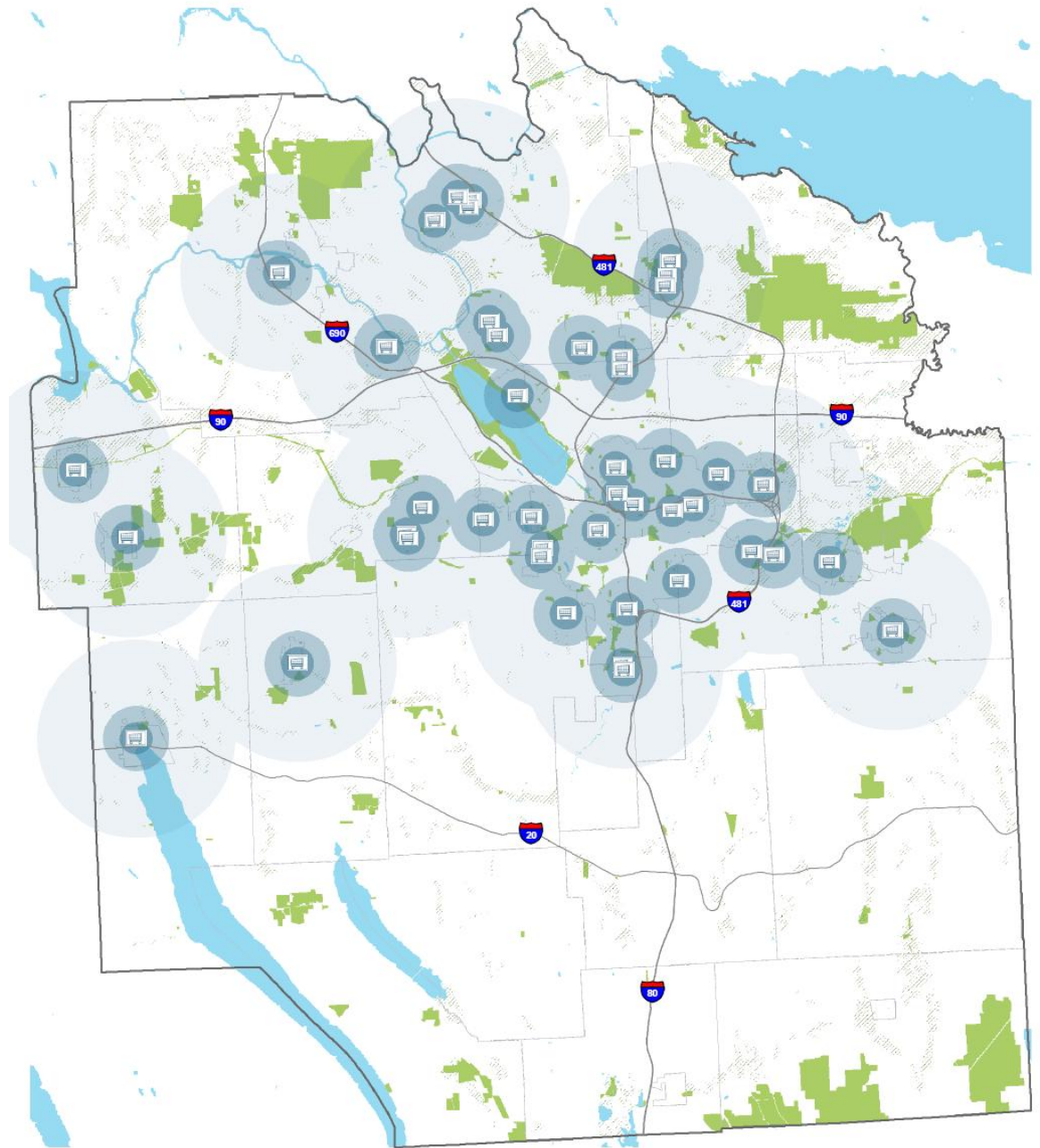


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Community Assets

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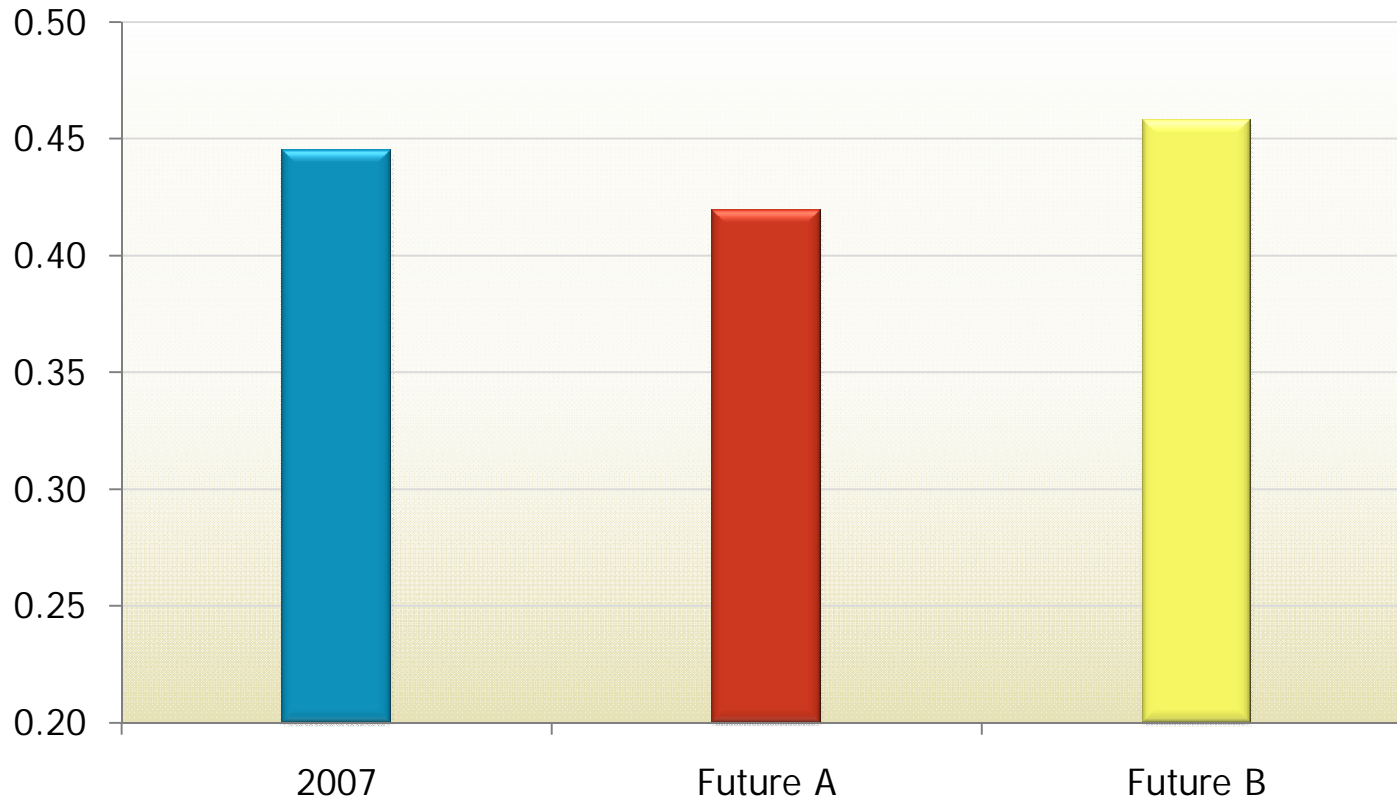


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Access to Community Assets

Population 1 Mile Access to Community Assets

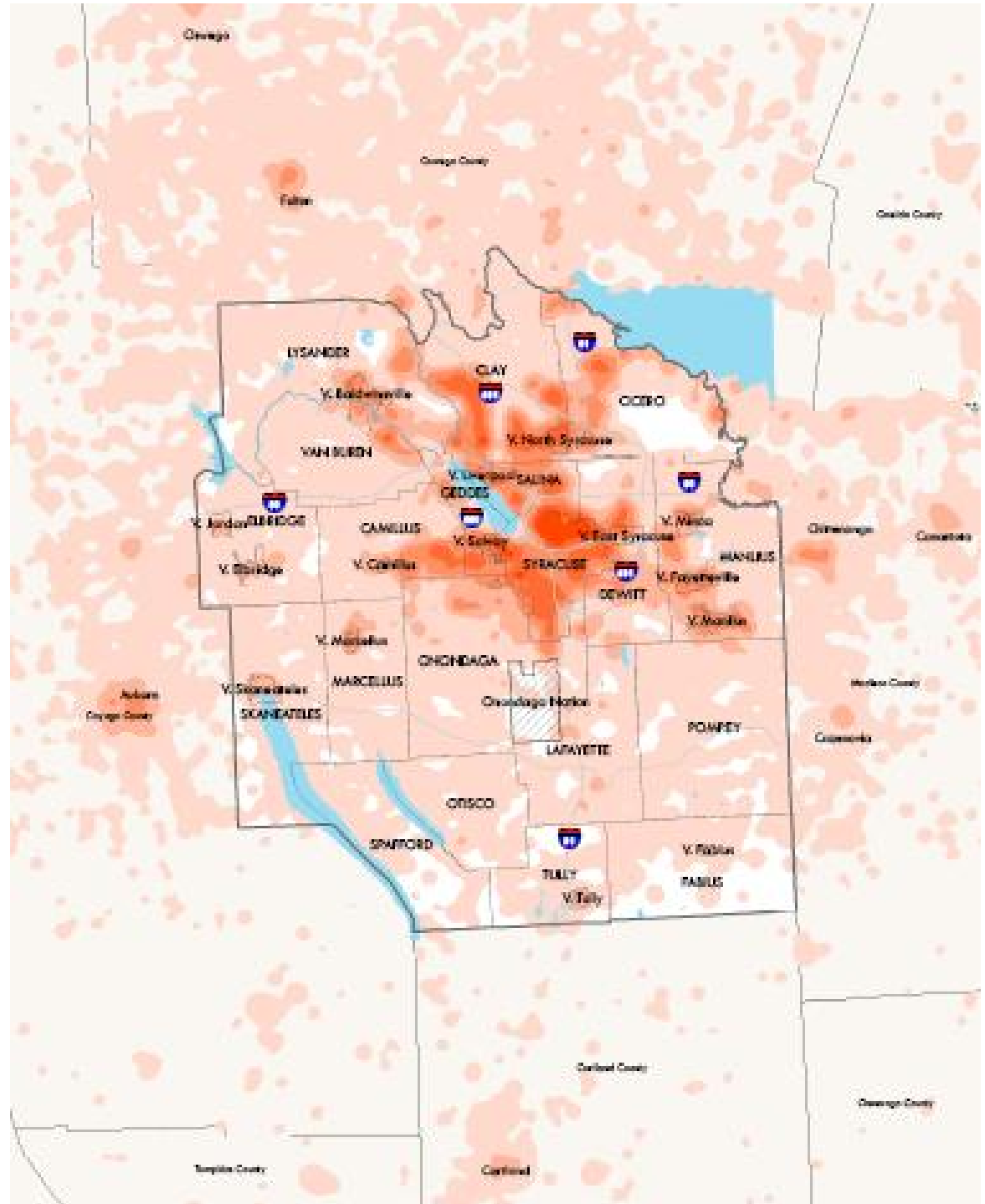




Infrastructure & Land Use

Regional Home Destinations for Workers in Onondaga

- Access to Jobs
- Worker Access to Jobs Within Proximity to Housing
- 84,343 Workers are Commuting to Onondaga County for Work

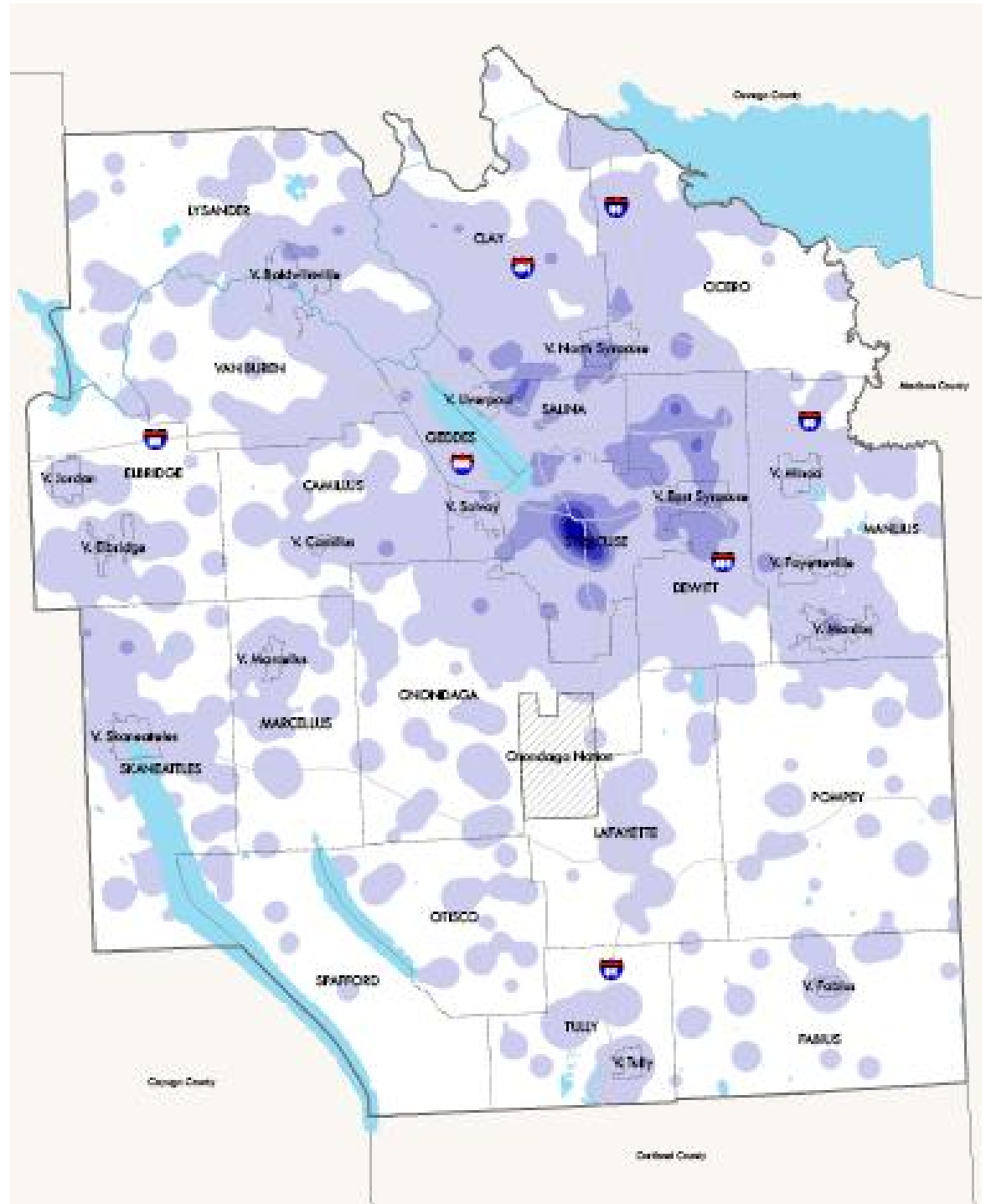




Infrastructure & Land Use

Job Locations In Onondaga

- Access to Jobs
- Worker Access to Jobs Within Proximity to Housing
- 232,046 Jobs in the County (2009)



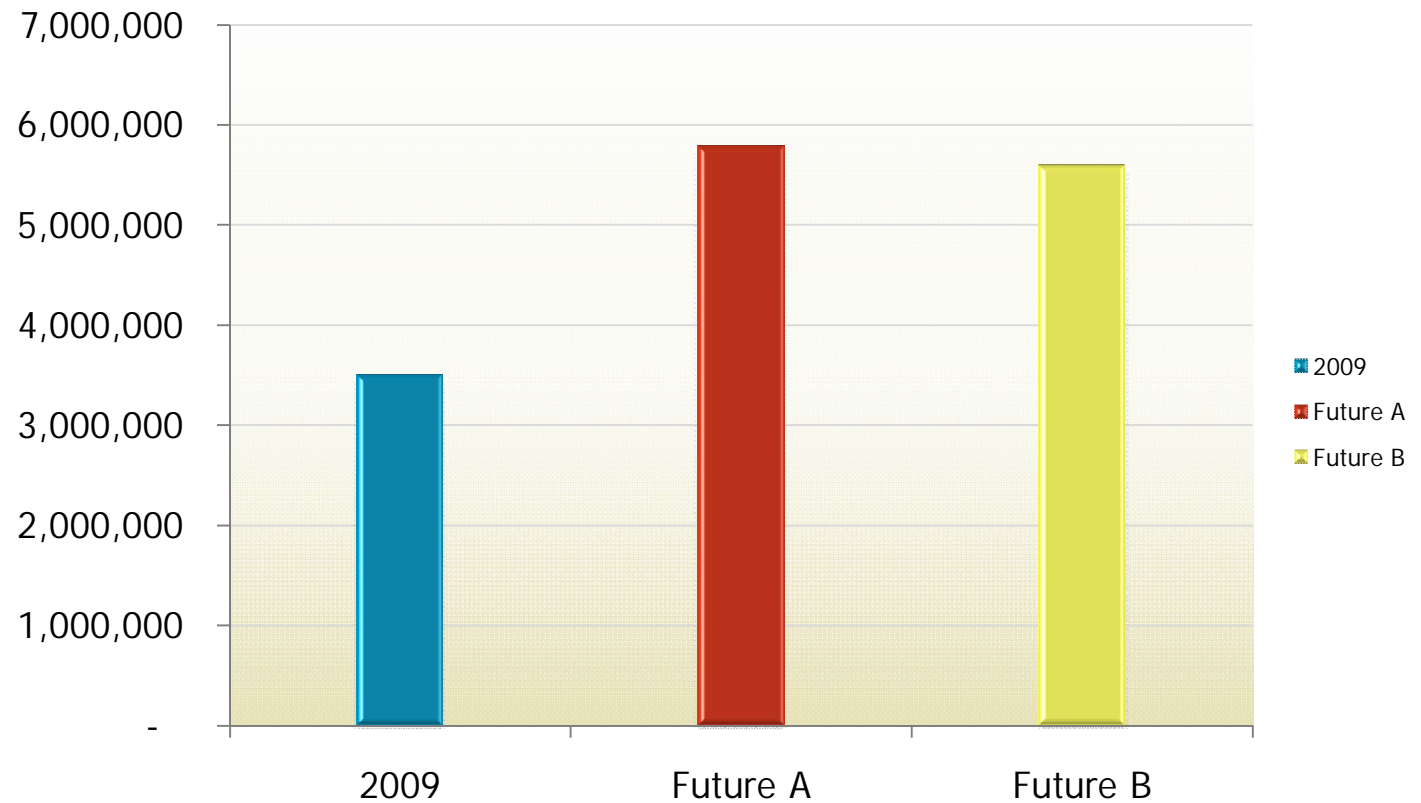


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Regional Dynamics

Total Work-based VMT



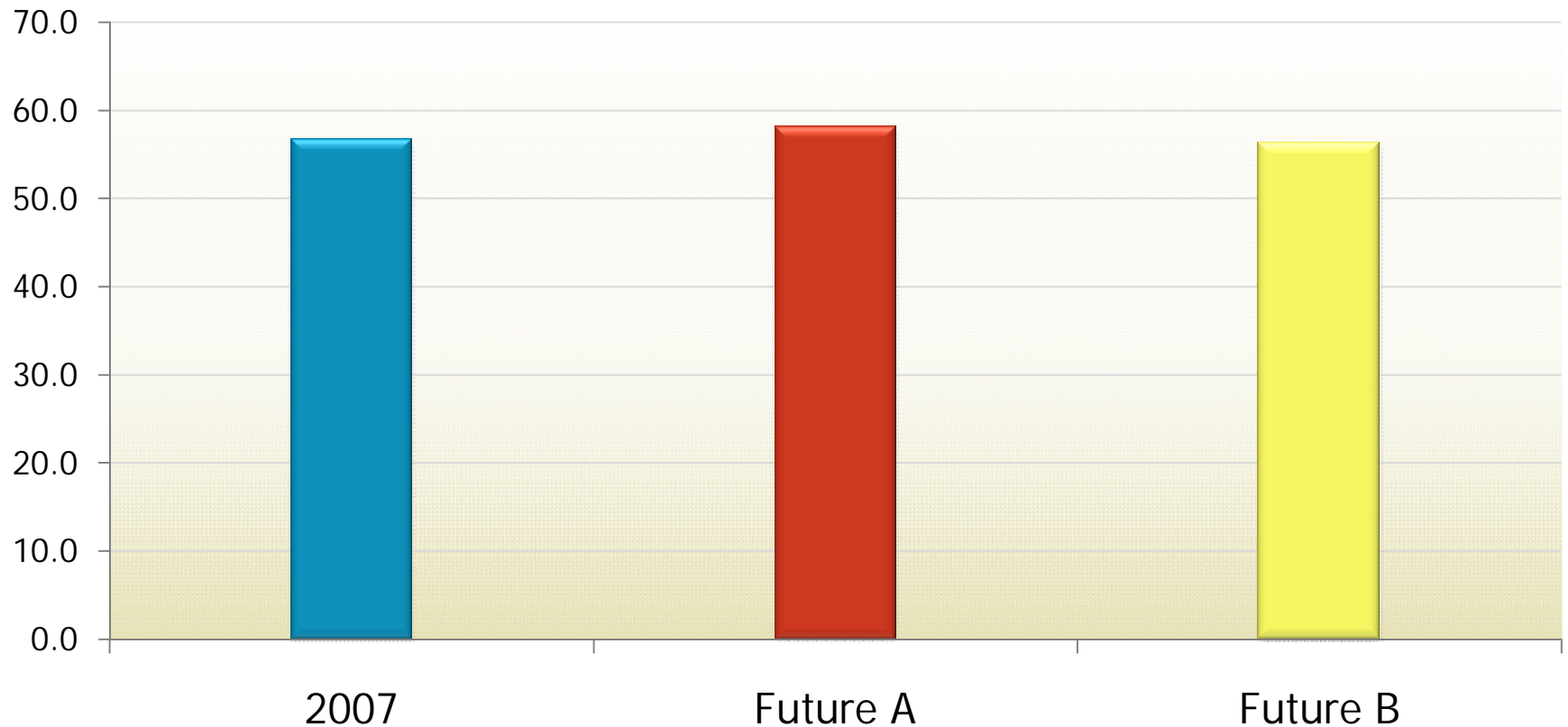


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Greenhouse Gases from Transportation

Metric Tons of CO₂e Emissions from Residential Electricity and Work Travel Per Capita Per Day



A Review of Sustainability and Fiscal Impacts



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Purposes of Fiscal Impact Modeling:

- ❑ How will future development patterns affect my government's revenues and expenditures?
- ❑ How will this affect my property tax bill?
- ❑ How can we guide future development in a fiscally positive way?



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Methodology :

- ❑ Identified typical land use categories
- ❑ Developed generic community profiles “archetypes” for each type of community
- ❑ Selected 1-2 municipalities characteristic of each archetype to model countywide impacts
- ❑ Modeled municipal & school district costs
- ❑ Calculated net costs/revenue per-cell (dense-residential, rural-industrial, etc.)



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Typical Onondaga County Land Use Categories:

- Residential
- Commercial
- Industrial
- Other – Recreation and entertainment, community services, and public services.

Vacant properties are classified based on their underlying land use designation (i.e. residential, commercial, industrial, other).

Undevelopable properties, such as wetlands, roads & streets, conservation lands, etc. were excluded from the model.



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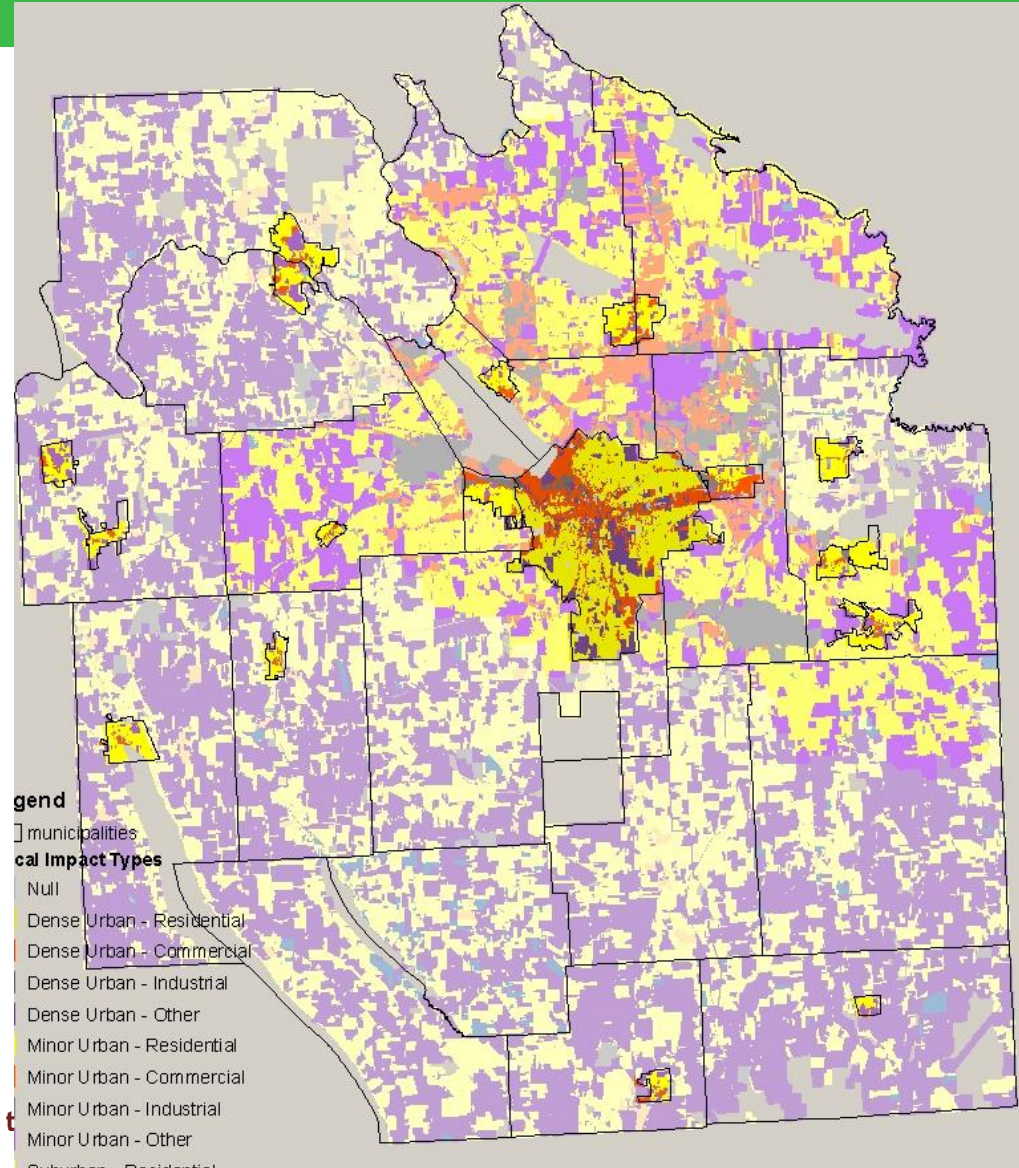
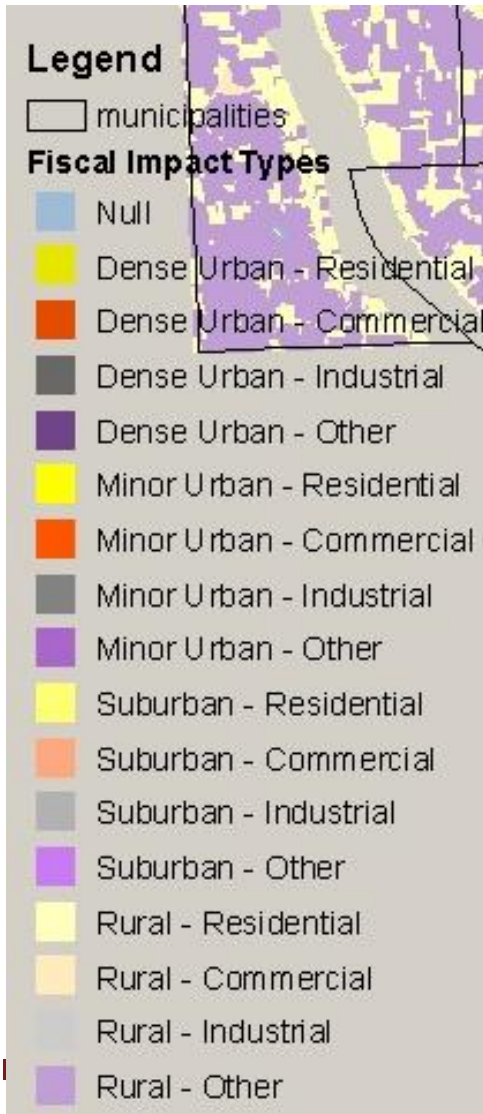
Municipal Archetypes:

- ❑ Dense Urban – City of Syracuse
- ❑ Minor Urban (Villages) – Villages of Liverpool and Fayetteville
- ❑ Suburban – Towns of Cicero and Camillus
- ❑ Rural – Towns of Fabius and Elbridge

School District Archetypes:

- ❑ Dense Urban – Syracuse City School District
- ❑ Minor Urban (Villages) – Solvay Union Free School District, East Syracuse-Minoa Central School District
- ❑ Suburban – North Syracuse & West Genesee Central School Districts
- ❑ Rural – Fabius-Pompey Central School, Marcellus Central Schools

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Financial Impacts per Cell

Archetypes/LU Categories	Residential	Commercial	Industrial	Other
Dense Urban	-\$737.83	\$1,486.78	\$967.73	\$495.47
Minor Urban	-\$343.18	\$1,384.63	\$204.77	\$666.68
Suburban	-\$734.61	\$240.94	\$97.39	\$385.38
Rural	-\$44.65	\$63.68	\$6.69	\$5.81