

Scenario Planning and Land Use Analysis

Community Development Committee



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Overview



Today's Agenda

Regional planning and land use recap

Scenario planning

Application of scenario planning

Land use implications

Recap: Why regional planning?

Interdependent communities

Individual communities impact region's infrastructure

Growth creates need for public services

Increased risk of air and water pollution & water supply shortages



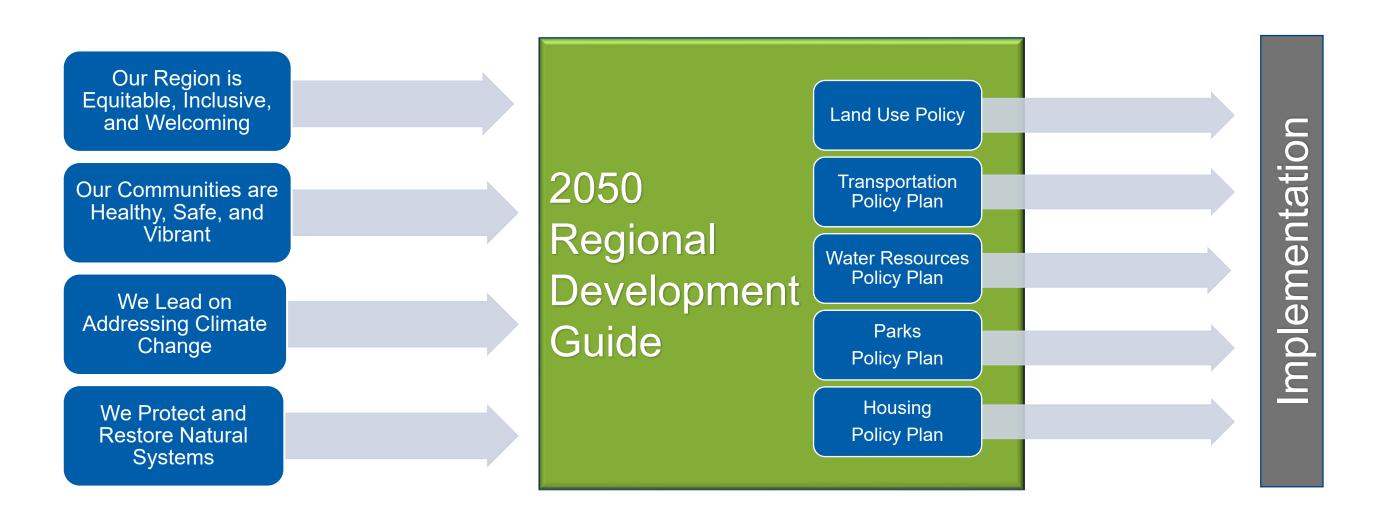
Ensure coordinated, orderly, & economical development

Protect public health, safety, & welfare

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Recap: Approach to Achieve Regional Vision

What will it take to realize the regional vision?



Scenario Planning



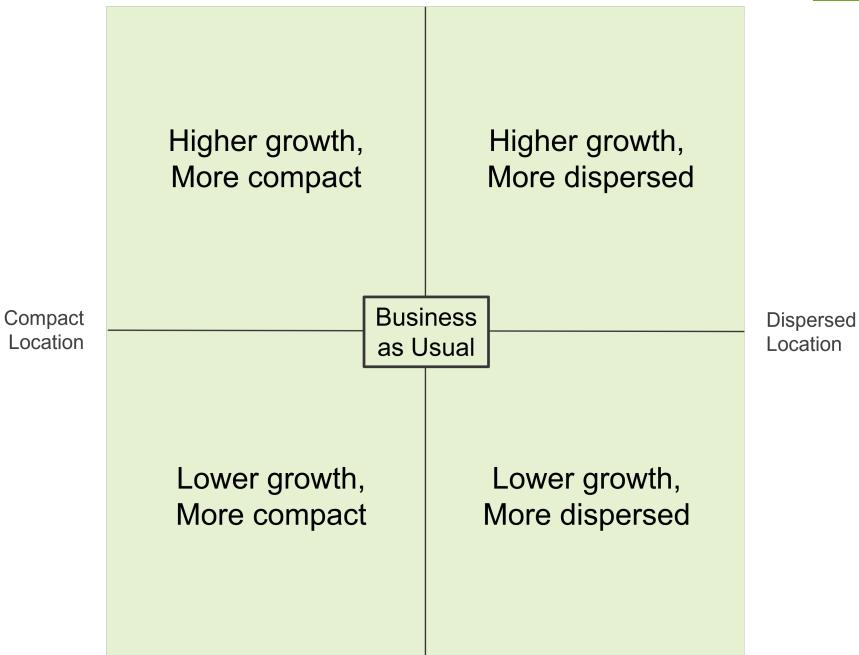
Why and how are we using it?

- Prepare for contingencies in an unknown future
- Identify future opportunities and challenges
- Inform future regional growth policies

Higher Growth

Regional Growth Scenarios

How much? Where?



Lower Growth

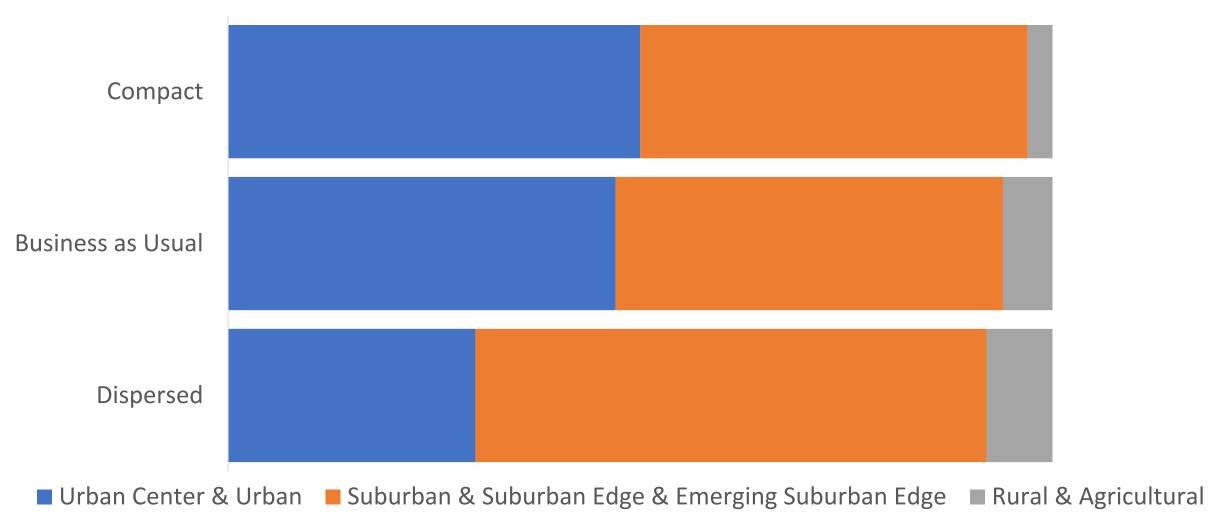
Extent of growth

Higher versus lower than the business-as-usual

- Higher population growth: around 50% more than business-as-usual
- Lower population growth: around 25% less than business-as-usual
- Higher employment growth: around 50% more than business-as-usual
- Lower employment growth: around 50% less than business-as-usual

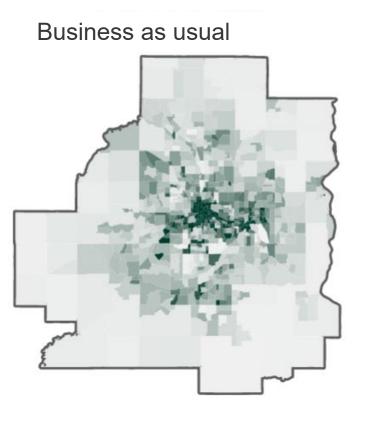
Location of growth

Distribution of Growth Across Community Designations

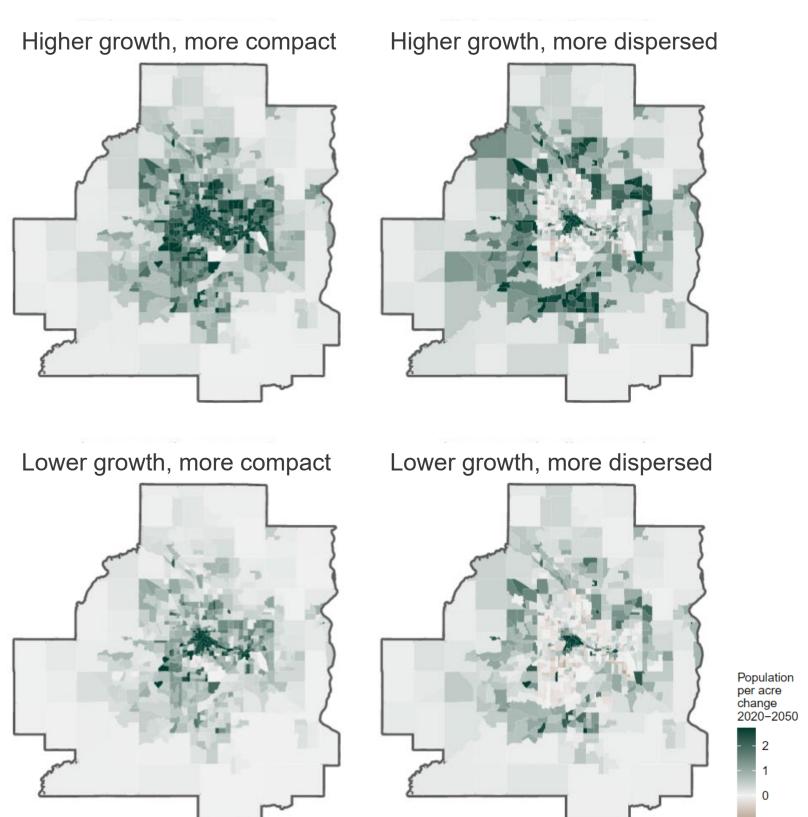


What do different futures look like?

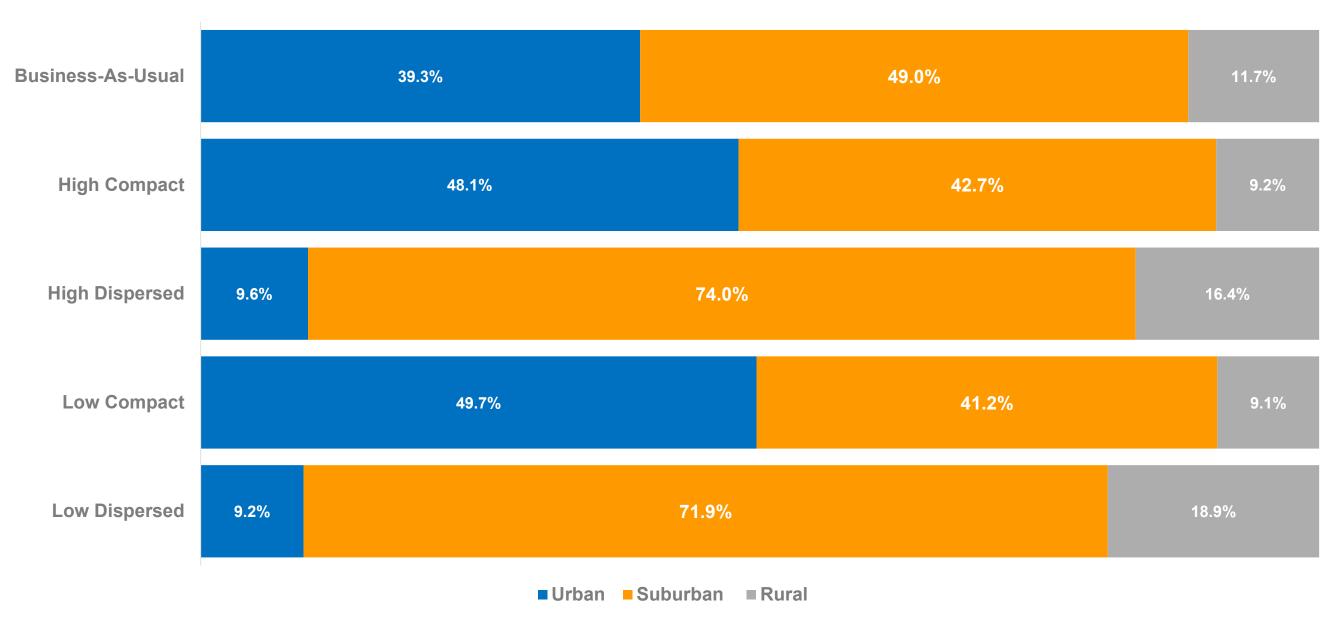


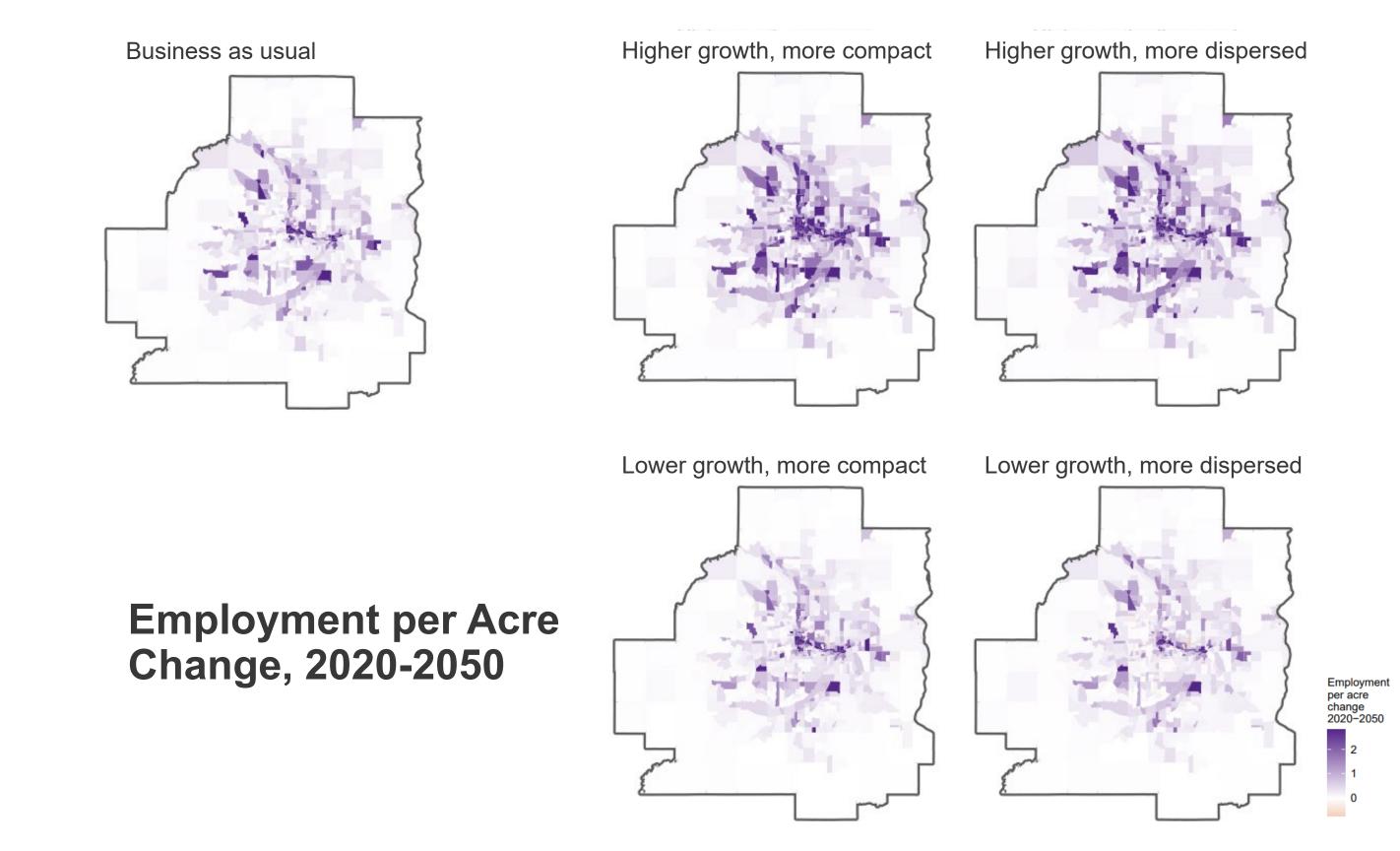




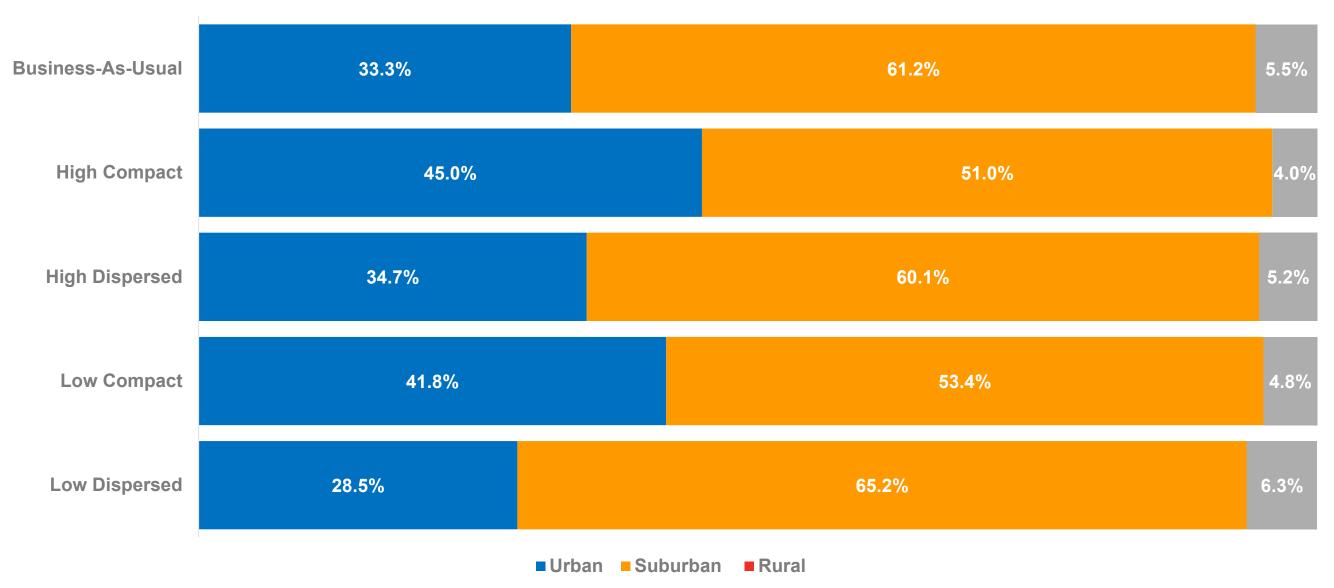


Share of Population Growth by Community Designation, 2020-2050

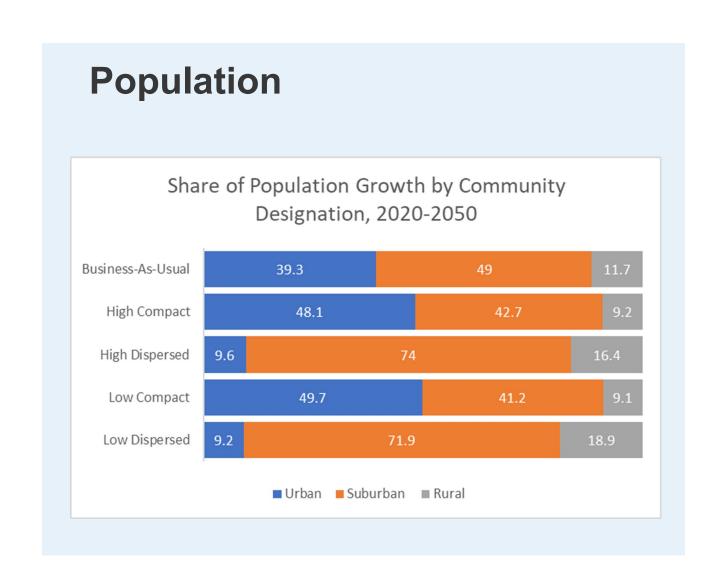


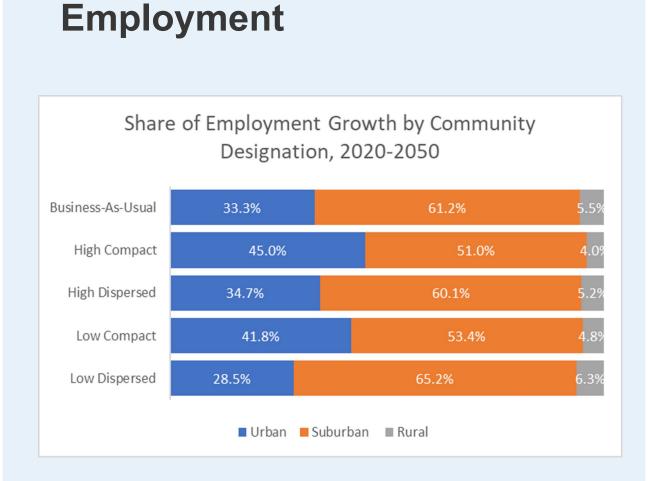


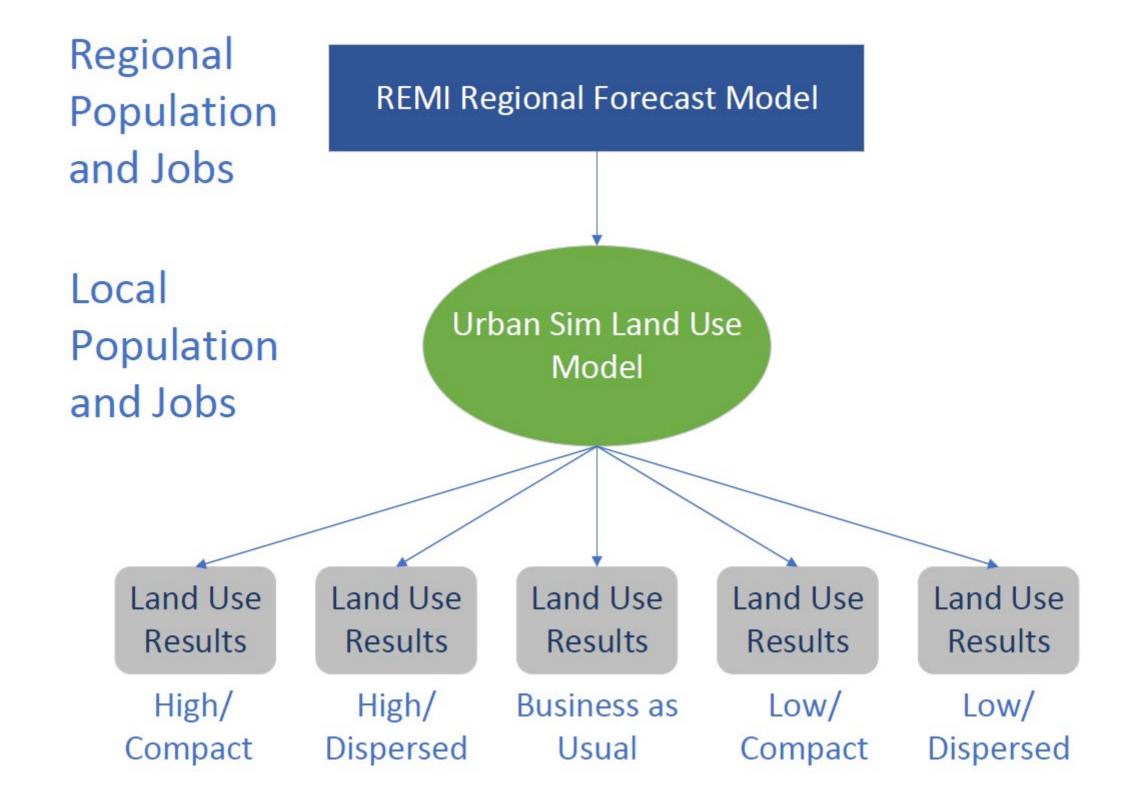
Share of Employment Growth by Community Designation, 2020-2050



Population versus employment





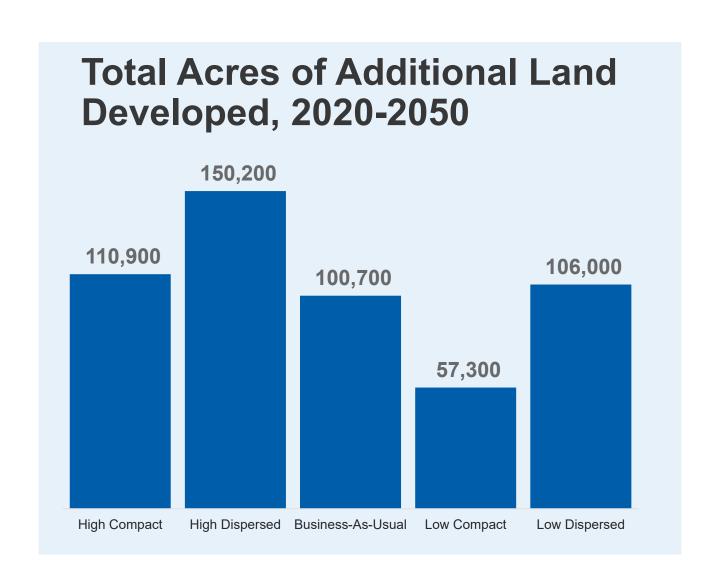


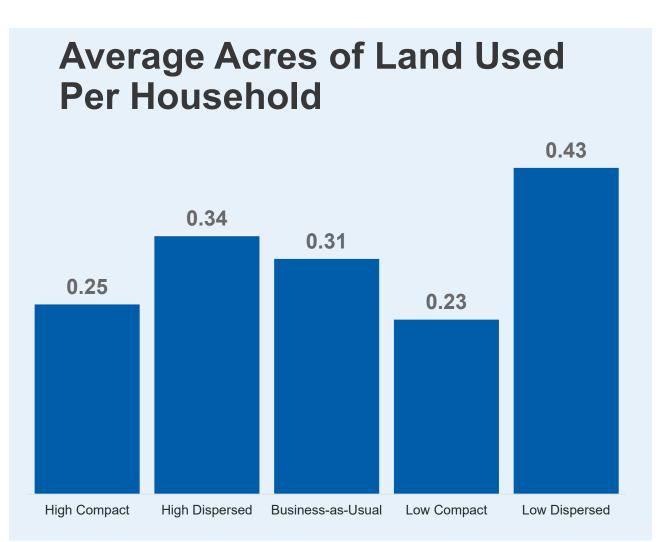
Land Use Metrics



Concept	Measure
Land Consumed	Total Acres of Land Developed
Density of Land Use	Average Acres of Land Use per Household
Agricultural Land Developed	Total Acres of Agricultural Land Lost to Development

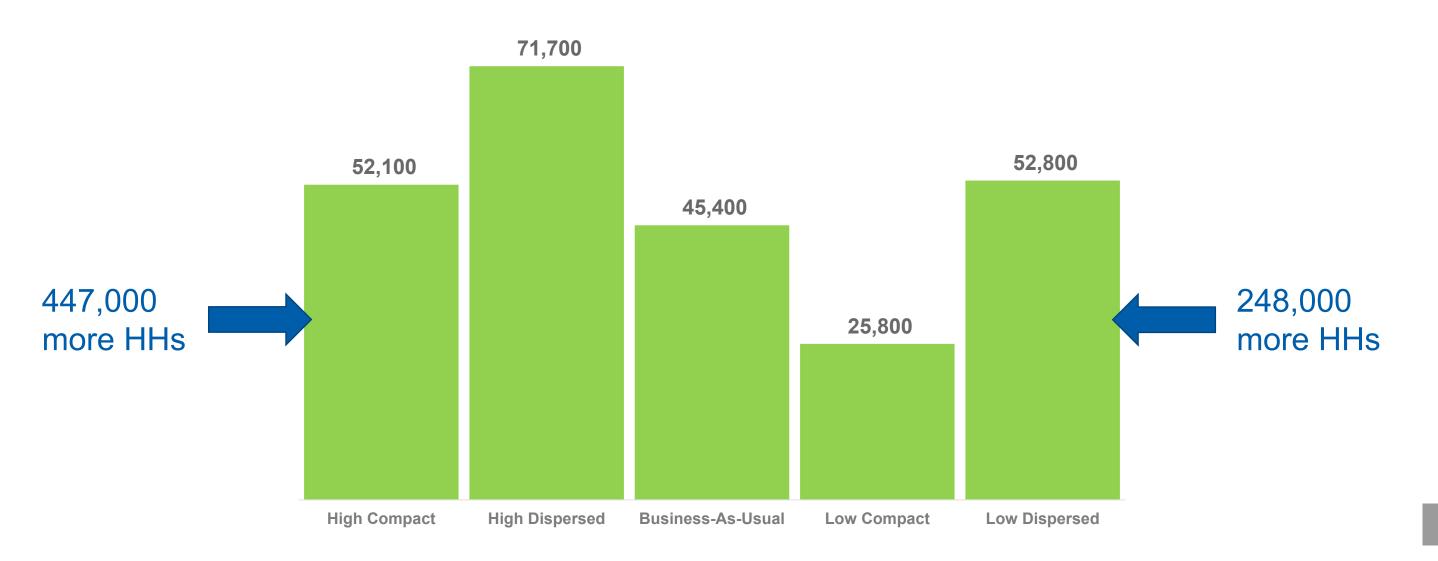
Land use modeling results



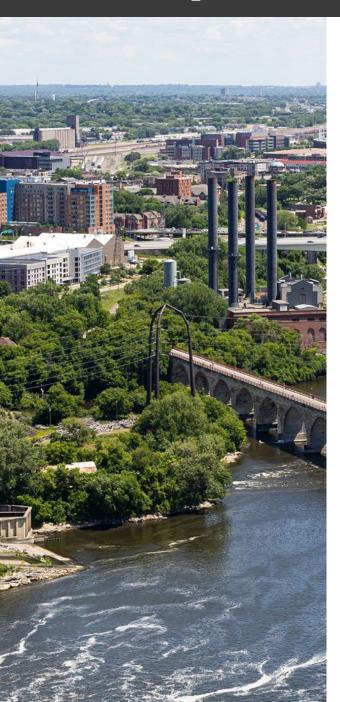


Land use modeling results

Total Acres of Agricultural Land Lost to Development



Implications on Land Use Policy



Findings

Compact development uses land more intensely and efficiently.

Dispersed development increases pressure on agricultural land.

Connection to regional values and vision

	Council Vision Components				
Measure	Equitable Inclusive Welcoming	Healthy Safe Vibrant	Climate Mitigation Adaptation Resilience	Natural Systems Protected Restored	
Total Acres of Land Developed				√	
Average Acres of Land Used per Capita	√		√		
Total Acres of Agricultural Land Developed		√		✓	

Land Use Policy



Land use policies impact things we care about

- Significant cross-cutting regional issues
 - Equity
 - Climate Change
 - Natural Systems
 - Public Health, Safety, and Well-being
- Land use policies guide growth and development in the region
- Policy decisions move the region toward desirable outcomes and away from undesirable outcomes

Upcoming Discussions



Guiding growth in the region

- Intersection of scenarios with cross-cutting regional issues
- Intersections of land use and other policy areas:
 - Transportation
 - Housing
 - Wastewater and Water Resources
 - Regional Parks and Trails
- Land use goal and policy development

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Significant Cross-Cutting Regional Issues



Systemic racism and other inequities have embedded lasting social and economic disparities for our region.

Natural Systems Natural systems are important assets that are at risk, and their benefits are often shared inequitably.



Climate change presents risks for infrastructure, natural systems, and vulnerable communities.

Public Health, Safety, & Wellbeing Our built and natural environments can support quality of life, but inequitable or unsafe conditions can result in illness, injury, or death.

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Opportunities and Challenges Analysis



Regional Cross-Cutting Issues

Natural Systems

Preservation and/or degradation

Water quality and availability

Environmental Quality

Equity

Housing

Transportation

Parks

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Water

Climate

Greenhouse Gas (GHG) Emissions

Adaptation

Resilience

Public Health, Safety, and Wellbeing

Safety

Access to Goods and Services

Health



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