Scenario Planning 101
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What is Scenario Planning?

- Decision-making tool
- Considers alternate outcomes and eventualities
- Creates a responsive, resilient, and efficient plan
- Scenario planning is a process to support decision-making that helps urban and rural planners navigate the uncertainty of the future in the short and long term.
Scenario Planning Considerations

• What questions are we seeking answers to?
• What are we trying to protect?
• What are we trying to promote?
• Over what time horizon?
• Market likelihoods?
• How to communicate results?
Making better decisions

- Test ideas that reinforce community values and desired outcomes
- Bridge the gap between land use and transportation
- Put a price tag on development decisions
Scenario Planning for a TPO

- Utilizes existing data sets and tools
- Can incorporate federal performance metrics
- Input to MTP goal setting, recommendations development, and prioritization
- Sustains public interest in regional planning between MTP cycles
Scenario Planning Focus Areas

- Land Use
- Disruptors
- Transportation Recommendations
- Financial
- Others
Transportation Planning | Making Better Decisions

Conventional Approach

Exclusive emphasis on transportation performance

Strategic Approach

Adds
- Safety
- Accessibility
- Mode-share
- Land Use
- Community Outcomes
Value Proposition

“Community success occurs when transportation investments are integrated with supportive land use initiatives to positively influence community outcomes.”

- Cost to serve is reduced
- Pastoral settings are preserved
- Travel times are maintained

- Affordability improves
- Access to opportunity is enhanced
- The community is more competitive

- **Safety**: Improve safety for all modes of transportation.
- **Environmental Sustainability**: Reduce vehicle miles traveled and provide a variety of travel options to encourage residents to travel by transit, biking, or walking, to reduce greenhouse gas emissions.
- **Equity**: Provide safe, affordable access to opportunities for all city residents.
- **Economic Vitality**: Integrate transportation investments with land use and economic priorities to improve quality of life.
- **Housing**: Support the creation of affordable and varied housing options that meet the city’s growing needs.
- **Innovation**: Leverage existing and emerging technologies to meet 21st century challenges.
Diversity of Interests

- Commute Mode Shift
- Travel Safety
- Economic Vitality
- Transit-Supportive Development
- Network Connectivity
- Freight Movement
- Affordable Housing
- Traffic Flow
- Social Equity
- Public Support
- Environmental Preservation
- And Many Others...
Broad-Based Indicators

**ECONOMIC DEVELOPMENT**
Predictable land use and transportation decisions encourage more public and private investment

**SUSTAINABILITY**
Coordinated development decisions lessen the impact on natural places

**WORKFORCE ADVANCEMENT**
Increased choice and connectivity better link jobs with the workforce

**BLENDING COMMUNITY DEVELOPMENT ELEMENTS CREATES AN OPPORTUNITY FOR A UNIFIED STRATEGY**

**AFFORDABILITY**
Improved choices in where we live and how we move make affordability more attainable

**PROSPERITY**
Intentional planning yields more efficiency and connections between our people, places, and shared prosperity
<table>
<thead>
<tr>
<th>Scenario Planning</th>
<th>Travel Demand Model</th>
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<tbody>
<tr>
<td>• Uses Travel Demand Model as an input</td>
<td>• Uses land use information to arrive at transportation outcomes</td>
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<td>• Can make use of one or many tools to answer different questions</td>
<td>• Single tool that is updated over time</td>
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<td>• Goes beyond traditional transportation metrics to understand regional performance</td>
<td>• Helps determine traditional transportation metrics such as congestion, delay</td>
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Scenario Planning In Action

Model Inputs
- Place Types
- Carrying Capacity
- Build Out
- Suitability

Forces and Trends

Scenario Development

Scenario Testing

Preferred Growth Strategy
Scenario Identification

**Current Plans**
- Likely how we would grow if we followed current land use plans

**Compact**
- Likely how we would grow if we focused on the core of our existing communities and the creation of new mixed use centers

**Dispersed**
- Likely how we would grow if we focused on automobile-centric growth and investment along major corridors
Scenario Identification

Dispersed

Current Plans

Compact

Preferred Scenario (Blended)
Measuring Results

Understanding how we want the region to grow allows each jurisdiction to make better transportation and land use decisions.
PlanET Growth Concepts

Business as Usual
- Continuation of current trends.
- Growth in suburban areas and along major corridors.
- Single family subdivisions, some apartments.
- Car is primary form of transportation.

Grow Everywhere
- Growth in suburban and rural areas.
- Primarily single family subdivisions, large-lot rural.
- Car is primary form of transportation.

Grow Corridors
- Growth along highway corridors.
- Mix of suburban growth and new town centers.
- Primarily single family subdivisions.
- Car is primary form of transportation.

Grow New Centers
- Walkable mixed-use centers.
- Compact growth.
- Nearby neighborhoods.
- Mix of housing options.
- Mix of transportation options.

Grow Cities & Towns
- Mix of in-town reinvestment and new places.
- Walkable mixed-use centers.
- Compact growth.
- Nearby neighborhoods.
- Mix of housing options.
- Mix of transportation options.
Getting the Community Involved

Public Engagement Objectives

- Understand community values that will influence scenario development
- Identify the variables that will influence the region’s future
- Establish the framework for the development of the LRTP
Questions?