Meeting 3
August 20 & 21, 2012
MEETING OVERVIEW

• WELCOME
• INTRODUCTION TO SCENARIO DEVELOPMENT
• TREND SCENARIO FOR THE REGION
• DRAFT REGIONAL VISION STATEMENT
• SMALL GROUP DISCUSSION
• GROUP REPORT-BACKS
• NEXT STEPS
• CLOSING
• Scenarios show how the region COULD absorb expected population growth
  – Provide examples of what the region’s development patterns and transportation system might look like
  – Different scenarios show the same amount of growth for a given time period, but distributed in different ways
  – Analyzing differences allows results of policy, regulatory, and investment decisions to be understood

• Trend scenario: first scenario to be developed
  – Provides the best estimate of how the region will develop if no changes occur in development practices or plans, market forces, or transportation investments
  – Provides baseline against which to measure other scenarios
• **Alternative scenarios:** Depict what could happen if particular policy, regulatory, or investment changes are made
  
  – Show different ways in which homes, jobs, roads, transit, and open spaces could be spread out or concentrated
Scenarios are compared against the baseline (trend) scenario using indicators:
- Indicators are quantitative measurements applied to each scenario.
- Measure spatial aspects of growth only.

Comparing indicator values of the alternative scenarios shows differences between each scenario.

### SCENARIO DEVELOPMENT

<table>
<thead>
<tr>
<th>Transportation</th>
<th>Daily Vehicle Miles</th>
<th>Congestion Delays (Total)</th>
<th>Congestion Delays (Personal)</th>
<th>Transit Use</th>
<th>Bike/Pedestrian Trips</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Trend</strong></td>
<td>36.7 ± 0.5 million</td>
<td>543 ± 6 thousand</td>
<td>19 ± 0 minutes</td>
<td>213.6 ± 23.5 thousand</td>
<td>155.1 ± 18.0 thousand</td>
</tr>
<tr>
<td><strong>Scenario A</strong></td>
<td>-0.5 million</td>
<td>-6 thousand</td>
<td>±0 minutes</td>
<td>+23.5 thousand</td>
<td>+18.0 thousand</td>
</tr>
<tr>
<td><strong>Scenario B</strong></td>
<td>-1.3 million</td>
<td>-93 thousand</td>
<td>-3 minutes</td>
<td>+41.6 thousand</td>
<td>+41.6 thousand</td>
</tr>
<tr>
<td><strong>Scenario C</strong></td>
<td>-1 million</td>
<td>-76 thousand</td>
<td>-2 minutes</td>
<td>+64.9 thousand</td>
<td>+60.3 thousand</td>
</tr>
<tr>
<td><strong>Scenario D</strong></td>
<td>-1.9 million</td>
<td>-155 thousand</td>
<td>-5 minutes</td>
<td>+49.3 thousand</td>
<td>+49.2 thousand</td>
</tr>
</tbody>
</table>

**Shows shift compared to Trend.**

- The table shows the change in various transportation indicators for different scenarios compared to the baseline scenario.
- For example, Scenario A shows a decrease of 0.5 million in Daily Vehicle Miles compared to the trend scenario.
- The table provides a clear comparison of how each scenario deviates from the baseline in terms of spatial aspects of growth.
PlanET TREND SCENARIO

• Allocate next 30 years of population & employment Growth

• Population Projections

<table>
<thead>
<tr>
<th></th>
<th>Anderson</th>
<th>Blount</th>
<th>Knox</th>
<th>Loudon</th>
<th>Union</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>75,129</td>
<td>123,010</td>
<td>432,226</td>
<td>48,556</td>
<td>19,109</td>
<td>698,030</td>
</tr>
<tr>
<td>2040</td>
<td>88,045</td>
<td>180,751</td>
<td>621,702</td>
<td>77,955</td>
<td>27,739</td>
<td>996,193</td>
</tr>
<tr>
<td>Change</td>
<td>12,916</td>
<td>57,741</td>
<td>189,476</td>
<td>29,399</td>
<td>8,630</td>
<td>298,163</td>
</tr>
</tbody>
</table>

• Employment Projections

<table>
<thead>
<tr>
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<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>52,285</td>
<td>59,288</td>
<td>303,682</td>
<td>19,191</td>
<td>4,848</td>
<td>439,294</td>
</tr>
<tr>
<td>2040</td>
<td>75,477</td>
<td>97,581</td>
<td>467,565</td>
<td>31,047</td>
<td>7,898</td>
<td>679,568</td>
</tr>
<tr>
<td>Change</td>
<td>23,192</td>
<td>38,293</td>
<td>163,883</td>
<td>11,856</td>
<td>3,050</td>
<td>240,274</td>
</tr>
</tbody>
</table>

• “Business as usual”
  • Strip commercial and regional centers
  • Industrial and Office parks and strip office
  • Mix of suburban housing & rural residential
PlanET TREND SCENARIO

• Demand based on Projections and Development Drivers
  Survey of local development community
  • Bankers
  • Developers
  • Planners
  • Economic Development
  • City/County Officials

• Supply based on Unconstrained Vacant Land in the PlanET Region

• Intensity & Regularity based on Current Practices and Market Desirability
PlanET TREND SCENARIO

REGIONAL DEVELOPMENT PATTERN (2010)
PlanET TREND SCENARIO

REGIONAL DEVELOPMENT PATTERN (2014 ESTIMATED)
PlanET TREND SCENARIO

REGIONAL DEVELOPMENT PATTERN
(2024 TREND)
PlanET TREND SCENARIO

REGIONAL DEVELOPMENT PATTERN (2034 TREND)
REGIONAL DEVELOPMENT PATTERN (2040 TREND)

• **115,000+** acres of greenfield development
• **112,000+** new homes consuming **98,000+** acres
• (0.88 dwelling units per acre)
REGIONAL DEVELOPMENT PATTERN (2010)
PlanET PROPOSED SCENARIO INDICATORS

GENERAL
• Tally of each land use type

HOUSING & NEIGHBORHOODS
• Residential tax revenue
• Jobs-to-housing ratio
• Housing diversity index
• Affordable homes near transit
• Affordable homes near employment centers

HEALTHY COMMUNITIES
• Auto emissions
• Population within x miles of a park, trail, school...etc
• Acres of working farmland lost to development
• Population within x miles of hospital or urgent care facility
• % of new development in walkable place types

ENVIRONMENT
• Annual water use
• Acres of environmentally sensitive land or critical habitat lost to development
• Acres of new impervious surfaces

ECONOMY & WORKFORCE
• Commercial Tax Revenue
• Average distance to closest job
• Newly developed areas
• Redeveloped areas

TRANSPORTATION
• Commuters via walking, biking or transit
• Pedestrian environment index
• Daily VMT per capita
• Average commute time to work
• Percentage of jobs accessible by transit
• Occupied units within ¼ mile of KAT fixed route
• Miles of sidewalk and bike lanes
• Total road miles

INFRASTRUCTURE
• Average water use per day
• Percentage of energy generated by renewable resources
• Miles of sewer/water extensions and costs
• Building energy consumption
Our Vision of East Tennessee in 2040 is one in which our growing region is recognized throughout the nation and the world as a premier community of choice, by virtue of its exceptional livability; scenic natural beauty; strong institutions; highly educated, creative, and motivated workforce; and its robust and diversifying economy.

We have retained our East Tennessee identity and small town charm while becoming an international center for research, technology, and innovation. Our region’s outstanding quality of life is multifaceted, offering wide freedom of choice in mobility, housing, lifestyle, and community setting, from our vibrant urban core to our highly livable and connected suburbs, and to our scenic and agriculturally productive rural areas.

**DRAFT: FOR REVIEW**
1. Do you agree with the components of the draft Regional Vision Statement?
   • Are any important vision ideas missing?

2. How does the trend scenario compare to the Regional Vision?
   • Does it align?
   • Are there major differences?

3. What are the most important scenario benchmarks/indicators for your focus area?
PlanET PROPOSED SCENARIO INDICATORS

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NEXT STEPS

1. Developing Alternative Scenarios
2. Preparing Scenario Visualization
3. Selecting Preferred Scenario
WORKING GROUP ASSIGNMENT:
Vision Statement Review Comments – September 7

NEXT WORKING GROUP MEETING:
Friday, October 5, 2012 (Tentative)
East Tennessee History Center
9:00am – 11:00am
Meeting 3
August 20 & 21, 2012