TRIANGLE REGION SCENARIO PLANNING INITIATIVE:
GENERAL OVERVIEW PRESENTATION

DCHC MPO TRANSPORTATION ADVISORY COMMITTEE

OCTOBER 12, 2011
What is the big idea?

The initiative provides stakeholders in the Triangle Region an opportunity to explore and debate regional growth visions, their trade-offs, and alternative futures.

End Game:

The scenario planning initiative will be one input for developing the Triangle’s next LRTP, and used to allocate future growth in the region for running the Triangle Region Travel Demand Model.
STUDY AREA

- 2040 LRTP Update
- TRM V.5 Study Area
- 3,500 sq. mi.
- 2 MPO Planning Areas
- Local Governments Involved:
  - 10 counties
  - 40 cities & towns
Start to address big questions in the region:

- Where do we want to grow?
- Are we growing sustainably?
- Can we pay for growth?
- Are we still proud of where we live?
WHO IS INVOLVED?

Cities & Towns:

- Angier
- Apex
- Benson
- Bunn
- Butner
- Carrboro
- Cary
- Chapel Hill
- Clayton
- Coats
- Creedmoor
- Durham
- Erwin
- Fair Oaks
- Franklinton
- Fuquay-Varina
- Garner
- Hillsborough
- Holly Springs
- Kenly
- Knightdale
- Lillington
- Louisburg
- Mebane

Counties:

- Chatham
- Durham
- Franklin
- Granville
- Harnett
- Johnston
- Orange
- Person
- Wake

Regional Agencies:

- Triangle Transit
- Triangle J COG
- Kerr – Tar Regional COG
- The Research Triangle Park
- TARPO
- DCHC MPO
- CAMPO

Federal Government:

- Federal Highway Administration
- Federal Transit Administration

State Government:

- NC Department of Transportation
- NC Department of Environment & Natural Resources

Special Interests:

- Duke University
- UNC – Chapel Hill
- North Carolina Central University
- NC State University
- Urban Land Institute
- Home Builders Association
- Raleigh – Durham Airport Authority
Six major components:

- build scenario planning tools
- partnering strategy
- build development scenarios
- build consensus
- documentation
- project integration
REGIONAL SCENARIO PLANNING

- **Role in the Project**
  
  Scenario planning will be used throughout the project to identify regional goals and community values, as well as explore alternatives for growth, development, and transportation investments in the region.

- **Beyond the Project**
  
  - Scenario planning tools are being developed for subareas in the Triangle Region.
  
  - 3-day software training through CAMPO contract.
  
  - Becomes a resource/tool for local government planning initiatives.
What are the challenges?

Allocating future year growth in the region can be challenging for the following reasons:

- It is difficult to normalize land use data submitted by individual cities, towns, & counties
- Changing growth forecasts or horizon years becomes time consuming
- Significant time is required to update data sets as change occurs
- The ‘big project’ changes everything
- Limited opportunities to test transportation – land use connection
- Difficulties encountered translating back to local plans
REGIONAL SCENARIO PLANNING

- Running Through the Scales:
  - Sub-Region Models (parcels)
  - Region Models (grid cells)
  - Super Region Model (TAZs)
REGIONAL SCENARIO PLANNING

Evaluate the trade-offs of competing scenarios:

<table>
<thead>
<tr>
<th>Topic</th>
<th>Scenario A</th>
<th>Scenario B</th>
<th>Scenario C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural Land Consumed:</td>
<td>174 sq mi</td>
<td>143 sq mi</td>
<td>65 sq mi</td>
</tr>
<tr>
<td>Cost 1998-2020</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infrastructure (water, sewer, utilities)</td>
<td>$$$$$</td>
<td>$$$$$</td>
<td>$$</td>
</tr>
<tr>
<td>Single Family Homes vs. Condos, Apts. &amp; Townhomes</td>
<td>77%</td>
<td>25%</td>
<td>68%</td>
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<tr>
<td>Transportation Choices</td>
<td></td>
<td></td>
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</tbody>
</table>

Total Carbon Emissions Generated
- Net Carbon Emission
- Mobile Sources
- Non-Mobile Sources
PROJECT DELIVERABLES

- Several supporting documents prepared in support of the scenario planning initiative, including:
  - Place Type Summary Document
  - Focus Group Workbooks
  - Technical Documentation
  - Project Resource Map Series

- A final report that summarizes the planning process, key findings, and recommendations generated from the scenario planning initiative.

- Alternative growth scenarios for the study area that will be evaluated further in the Triangle’s next LRTP.

- Local jurisdictions may contemplate recommendations in the report as they update their locally-adopted plans and ordinances.
HOW DO OTHERS STAY INVOLVED?

- Regular project team coordination
- DCHC & CAMPO project steering committees
- Focus group meetings:
  - real estate & business development
  - chief planners & other policy administrators
  - local utility providers
  - practicing planners
- Regular TCC & TAC briefings
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