What Have We Learned and Where are We Going?

Presented at the UCLA Land Use, Transportation, and Environment Symposium

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Regional Transportation Plan – A Vehicle to Address Challenges

2008 RTP = $531.5 billion (nominal dollars)

2012 RTP to be determined
Shift in Ages of the Population:
SCAG Region

Population By Age Group

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2035</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-20</td>
<td>5.9</td>
<td>6.6</td>
</tr>
<tr>
<td>21-64</td>
<td>11.2</td>
<td>12.6</td>
</tr>
<tr>
<td>65+</td>
<td>2.0</td>
<td>3.8</td>
</tr>
</tbody>
</table>

Note: Percentages do not add to 100% due to rounding.
Source: SCAG, Local Input/General Plan Growth Forecast, March 2010
Where is Population Growth Coming From?

Southern California Sources of Population Growth, 2000-2009

<table>
<thead>
<tr>
<th>Source</th>
<th>2000-2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Births (less) Deaths</td>
<td>1,491,022</td>
</tr>
<tr>
<td>Domestic Foreign Migration</td>
<td>664,939</td>
</tr>
<tr>
<td>Total Increase</td>
<td>2,155,961</td>
</tr>
</tbody>
</table>

Source: State of California, Department of Finance, County Population Estimates and Components of Change by Year
Shift in Ages of the Population: Orange County

Population By Age Group

<table>
<thead>
<tr>
<th>Year</th>
<th>0-20</th>
<th>21-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>0.9</td>
<td>1.9</td>
<td>0.3</td>
</tr>
<tr>
<td>2035</td>
<td>1.0</td>
<td>2.0</td>
<td>0.6</td>
</tr>
</tbody>
</table>

Note: Percentages do not add to 100% due to rounding

Source: SCAG, Local Input/General Plan Growth Forecast, March 2010
# Demographic Trends

<table>
<thead>
<tr>
<th>Household Type</th>
<th>1960</th>
<th>2005</th>
<th>2040</th>
</tr>
</thead>
<tbody>
<tr>
<td>HH with Children</td>
<td>48%</td>
<td>32%</td>
<td>26%</td>
</tr>
<tr>
<td>HH without Children</td>
<td>52%</td>
<td>68%</td>
<td>74%</td>
</tr>
<tr>
<td>Single-person HH</td>
<td>13%</td>
<td>31%</td>
<td>34%</td>
</tr>
</tbody>
</table>

Source: Dr. Arthur C. Nelson, Presidential Professor & Director of Metropolitan Research, University of Utah.
## Market Trends

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>National Preference</th>
<th>Existing SCAG Region</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Attached</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apartments</td>
<td>14%</td>
<td>37%</td>
</tr>
<tr>
<td>Condos, Coops</td>
<td>9%*</td>
<td>24%</td>
</tr>
<tr>
<td>Townhouses</td>
<td>15%</td>
<td>39%</td>
</tr>
<tr>
<td><strong>Detached</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small Lot (&lt;7,000 sf)</td>
<td>37%</td>
<td>60%</td>
</tr>
<tr>
<td>Large Lot (&gt;7,000 sf)</td>
<td>25%</td>
<td>40%</td>
</tr>
</tbody>
</table>

Sources: National housing preference based on a low range of surveys reviewed by Arthur C. Nelson “Leadership in a New Era,” *Journal of the American Planning Association*, Fall 2006; existing per California Department of Finance, 2009

*Toll Brothers shifting product mix to 15% condominium; WSJ 12/06
Our Region Faces Major Water Challenges

SCAG Region Water Use (Acre-Feet Per Day)

- 2005: 4,000 acre-feet
- 2010: 8,000 acre-feet
- 2015: 12,000 acre-feet
- 2020: 16,000 acre-feet
- 2025: 20,000 acre-feet
- 2030: 24,000 acre-feet
- 2035: 28,000 acre-feet
Oil Demand Expected to Continue Increasing

World Marketed Energy Use By Fuel Type, 1980-2030

Higher Gasoline Prices Impact Retail Spending

- A household will spend over **$4,000** to drive for one year, more than double the driving costs in 2006.
- The increase in gas prices since 2006 has cost U.S. drivers more than **$360 billion** per year in driving costs.
- Economists estimate that nationally, for every **one cent** increase in gasoline price, spending in other areas will decline by **one billion dollars**.
23+ million gallons of petroleum consumed daily

15% electricity generated from renewable resources

20% increase in vehicle fuel consumption in last 10 years
SCAG Region Fuel Consumption

112% increase from 1990 to 2030

19.9 additional million gallons per day

Source: California Department of Transportation, Division of Transportation System Information. (December 2006). California Motor Vehicle Stock, Travel and Fuel Forecast.
1944

Electric Regional Rail Transit

Four Counties          1,150 Track Miles          900 Cars          109 Million Passengers
Los Angeles Pacific Electric Railway Depot, circa 1910
MEASURE R RAIL TRANSIT

BACK TO PACIFIC RED CAR DAYS

*Excludes 11.5 mi. additional BRT
What we’ve learned

• Perfect storm of change
  – Demographics
  – Water and energy
  – Investment

• Need to get many things right all at once:
  – Integration of outcomes and disciplines
  – Short term gains and long term goals
  – Finance structure
  – Governance structure
Where are we going?

• Outcome oriented governance vs. prescriptive programs
• Using knowledge to make decisions vs. using knowledge to avoid decisions (or, sometimes you have to make tough choices)
• Driving change by unleashing creativity, efficiency, and value
For more information please contact

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www.scag.ca.gov