Framework of Regional Transportation/Land Use Strategy and Control Measures for 2016 South Coast Air Quality Management Plan (AQMP)

Frank Wen, Manager Research & Analysis

2016 AQMP Control Strategy Symposium
June 11, 2015
SCAG Region

- Nation’s largest Metropolitan Planning Organization (MPO)
- 38,000 Square Miles
- 15 Subregions
- Nation’s Global Gateway for Trade

SCAG FACTS

- 191 Cities
- 6 Counties
- 18.5 Million People
- 16th Largest Economy in the World
SB 375 Requirements: 
Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS)

- MPO such as SCAG is responsible to develop Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS)
- RTP/SCS will integrate land use, housing, and transportation planning
  - Sustainable Communities Strategy (SCS)
  - Regional Housing Needs Assessment (RHNA)
- Achieve GHG emissions reduction targets adopted by the California Air Resources Board (ARB)
- Meet all Federal/State Air Quality Requirements
Regional Challenges

- Poverty
- Aging Infrastructure
- Air Quality, Climate Change & Environment
- Economy & Revenue
- Congestion
- Quality of Life and other Co-Benefits
What We’ve Been Doing

- Completed the first round of SB 375 Planning Process: SCAG 2012-2035 RTP/SCS
- Developing the 2016-2040 RTP/SCS, will release the Draft 2016 RTP/SCS in October
- Just wrapped up the local review/input and scenario planning process
- Conduct region-wide RTP/SCS workshops
- Implementing the 2012-2035 RTP/SCS
  - Sustainability projects
  - Active Transportation Project (ATP) funding
  - Cap & Trade funding
2016 RTP/SCS Framework
(Plan Under Development)

- Build on the success of the 2012-2035 RTP/SCS strategies
- Continue the major focuses of the 2012-2035 RTP/SCS
- Key elements
  - Viable Long-Term Funding Strategies
  - System Preservation, Safety and Operation
  - Regional Freight & Goods Movement Strategies
  - Active Transportation
  - Public Health Strategies
  - Implications of changing demographics
  - Implications of emerging new technologies
2012-35 RTP/SCS Strategies:

• Concentrate growth in high quality transit areas (HQTA)
• Enhanced Transit Service
• Active Transportation
• Innovative Funding
• Invest in clean fuel technology
• East/West Freight Corridor
2012 RTP/SCS – Three Key Strategies

- ONLY 13% capital investment to highways, Triple Active Transportation investment
- focus over 50% growth within 3% land area
- FROM 7:3 single- vs. multi-family units TO 3:7
SCAG Focus: Mileage Based User Fee (MBUF)

- Nationally recognized for funding innovation
- Passage of SB 1077: establish pilot program to explore MBUF
  - Working with state partners on pilot program testing Mileage Based User Fees
- Held Mileage Based User Fee Workshop
Passenger Rail & Transit

2035

Bus Rapid Transit Expansion THROUGHOUT THE REGION

Light & Heavy Rail Extensions

2016 RTP/SCS Framework

Metrolink/LOSSAN Upgrades and California High-Speed Rail Phase 1

Image courtesy Metro © 2012 LACMTA
Unprecedented collaboration with State and Federal partners e.g. California and National Freight Advisory Committees

Public-Private Partnership Finance and Delivery Strategies Screening for the East West Freight Corridor (EWFC)

Goods Movement Border Crossing Study

Industrial Warehousing Study in the SCAG Region
**SCAG Focus: SCS Implementation**

- Sustainability Grant Program provides funding to local governments to link local land use plans to RTP/SCS goals

- 72 Planning projects funded ($10 million total) since 2012
SCAG Focus: Active Transportation Funding

- $200 M awarded for first 3 years of Active Transportation Program (ATP)
- More than 100 CITIES in the SCAG Region applied for ATP funds
- SCAG Regional Safety & Encouragement Campaign $2.3 M to improve safety & encourage biking/walking
SCAG Focus: Public Health Work Program

**Goals and Strategies**
- Provide Leadership through Collaboration and Partnerships
- Integrate Public Health into Regional Planning Activities
- Provide Regional Support through Technical Assistance

**FY 14-15 Action Plan Deliverables**
- Randall Lewis Health Policy Fellowship
- Safety and Encouragement Campaign
- Public Health Working Group
- Active Transportation Health and Economic Impact Study
- Public Health White Paper to inform 2016 RTP/SCS
- Active Transportation Trainings and Toolkits
- Website Upgrades
Projected Future Growth

- **2008**
  - People: 18
  - Jobs: 8
  - Households: 6

- **2035**
  - People: 22
  - Jobs: 9
  - Households: 7

Adding the population of approximately **ONE AND A HALF** times Chicago to Southern California.

Change:
- **2008 to 2035**
  - Population: 4.2 million
  - Jobs: 1.7 million
  - Households: 1.5 million
Major Demographic Trends

- Continued Low Population Growth
- Declining Number of Children
- Annual Flow of New Immigrants is Plunging
- Foreign Born Peaked or Declining
- Long Settled Foreign Born
- Rise of the Immigrant Second Generation
- Slower Racial and Ethnic Change
- Aging—a Soaring Senior Ratio
- The Homegrown (growth from native Californians) Revolution
- Rising Index of Children’s Importance
Implications of Changing Demographics

- Increased demand for **housing choices** in central cities and mixed communities with shopping, health services, church and transportation options
- **Surplus of large-lot homes** and increased demand for small lot homes
- Increased **demand for health care and social services**
- Downward pressure on **tax revenues**
- Changing **transportation preferences**
Emerging Transportation Technologies

- Neighborhood Electric Vehicles (NEVs)
- Urban Mobility Platforms
- eBikes
- Car/Bike Sharing
- Travel Planning Apps
- Connected Vehicle Technologies
- Semi-automated drive modes
- Adaptive Cruise Control
- Lane centering
- Fully Autonomous Vehicles

2016 RTP/SCS Framework
Per Capita GHG Changes from 2005 (Preliminary)

2016 RTP/SCS

Target
## Preliminary Scenario Performance: Benefits

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Trend</th>
<th>2012 RTP/SCS Update with Local Input</th>
<th>Policy A</th>
<th>Policy B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Consumption</td>
<td>N/A</td>
<td>-18%</td>
<td>-31%</td>
<td>-37%</td>
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<tr>
<td>Health Cost-Respiratory</td>
<td>N/A</td>
<td>-11%</td>
<td>-14%</td>
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<tr>
<td>Residential Energy $/Household</td>
<td>N/A</td>
<td>-7%</td>
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<td>-12%</td>
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<tr>
<td>Residential Water $/Household</td>
<td>N/A</td>
<td>-3%</td>
<td>-5%</td>
<td>-7%</td>
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<tr>
<td>Household Cost (Driving + Utilities)</td>
<td>N/A</td>
<td>-10%</td>
<td>-13%</td>
<td>-17%</td>
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<tr>
<td>Fiscal Impact (O&amp;M + Capital)</td>
<td>N/A</td>
<td>-9%</td>
<td>-13%</td>
<td>-16%</td>
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</table>
Anticipated General Results/Outcomes

- Enhanced transportation options and choices
- Economic development, job growth and improved access to jobs/opportunities
- Improved air quality and public health
- Facilitate regional/local competitiveness for funding
  - AB 32 Greenhouse Gas Reduction Fund (Cap and Trade)
  - Active Transportation Program
  - HCD Grants
  - National Freight Strategic Plan
  - Water bond/groundwater management
- Assess new funding mechanism such as EIFD for sustainable infrastructure investment proposed in the RTP/SCS
Timeline & Milestones

- **Underway:** Strategy & Scenario Development
- **Summer 2015:** Extensive Outreach & Public Workshops
- **October 2015:** Release of Draft 2016-2040 RTP/SCS for public review, Input to 2016 AQMP
- **Fall 2015:** Elected officials workshops & public hearings
- **Winter 2016:** Review and address public comments
- **April 2016:** Adopt 2016-2040 RTP/SCS
Questions?

For more information visit
http://scagrtscs.net/Pages/default.aspx