Update on the 2016 Regional Transportation Plan & Sustainable Communities Strategy

American Planning Association Inland Empire Section

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Southern California Association of Governments

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About SCAG

- 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
- 18.2 Million People
- 16th Largest Economy in the World
In April 2012, SCAG unanimously adopted its first RTP that includes a Sustainable Communities Strategy that:

- Developed through a bottom-up local input process with unprecedented public outreach and stakeholder involvement
- Invests nearly $525 billion over the next 25 years to upgrade the region’s transportation system
- Reduces per capita GHG emissions 9% by 2020 and 16% by 2035

What’s the theme for the 2016 RTP/SCS?
Climate Change Mitigation

Assembly Bill (AB) 32:
- Reduce greenhouse gases by 2020 to 1990 levels (a 25% reduction in emissions)
- Actions include statewide limits, mandatory reporting

Senate Bill (SB) 375:
- Establish regional targets for greenhouse gas emissions reduction tied to car, light truck use and land use
- Regional planning agencies develop a plan to meet the targets
- Regional transportation planning and housing efforts are to be explicitly linked
SCS Development

- Develop a **Sustainable Communities Strategy (SCS)** as part of the RTP
  - Must meet greenhouse gas emission reduction targets

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<thead>
<tr>
<th>Year</th>
<th>Reduction</th>
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<tr>
<td>2005</td>
<td></td>
<td>2020</td>
<td>8%</td>
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<tr>
<td>2035</td>
<td>13%</td>
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Passenger Rail System 2035

- Bus Rapid Transit Expansion throughout the region
- Transit $55 billion
- Passenger Rail $51.8 billion
- O&M $139.3 billion

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

- Light and Heavy Rail Extensions

- Metrolink Commuter Rail Service Expansion throughout the region

Sources: SCAG, ESRI Shaded Relief, Tele Atlas
# Highways and Arterials

## Highways
- **Capital:** $64.2 bil
- **Gap Closures**
  - HOV network
  - HOT network
  - Toll facilities
  - Provide access to hard-to-reach areas of the region
- **O&M:** $56.7 bil

## Arterials
- **Capital:** $22.1 bil
- **Signal prioritization**
- **Bicycle lanes**
- **Other design features**
  - Lighting
  - Landscaping
  - Parking
  - Sidewalks
- **O&M:** $20.9 bil
Major Highway Projects

- **High Desert Corridor**: 2020, $6.9 bil
- **I-405 HOV Lanes**: 2018, $1 bil
- **I-10 HOV Lanes**: 2014-2018, $577 mil
- **I-5 Widening**: 2018, $1.2 bil
Building new infrastructure to address capacity needs is becoming increasingly costly and environmentally challenging.

HOT/Express Lanes can enhance travel options:
- Price only 1-2 lanes
- Motorists have choice of whether or not to use Express/HOT lanes

Optimizes the efficiency of all lanes while generating revenue that is directed back into the same corridor.
Goods Movement Investments

$48.4 billion

East-West Freight Corridor
Port access
Freight rail capacity
Grade separations
Truck mobility improvements
Intermodal facilities
Emission reduction strategies
Transportation Demand Management

Active Transportation

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<th>TDM</th>
<th>$4.5 billion</th>
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<td><strong>Active Transportation</strong></td>
<td>$6.7 billion</td>
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Reduce solo driving
Incentive carpooling, transit, biking, walking, flexible work schedules, telecommuting, First Mile/Last Mile strategies

**Bikeways**
Increase from 4,315 to 10,122 miles

Other strategies and **safety** improvements
Creating Livable Communities
Creating Livable Communities
Creating Livable Communities
Creating Livable Communities
2012–2035 RTP/SCS
Benefits

- **Mobility**
  - 24% decrease from today’s per capita delay

- **Location Efficiency**
  - Over twice as many households will live in high-quality transit opportunity areas

- **Economy**
  - 500,000 jobs generated per year

- **Cost Effectiveness**
  - $2.90 return for every $1 spent
2016 RTP/SCS Planning Process
### 2016 RTP/SCS Planning Process

**SCAG's DRAFT Preliminary Schedule for Development of the 2016-2040 RTP/SCS as of October 2013**

This schedule provides a preliminary summary of development and phasing for the 2016-2040 RTP/SCS. Both the technical framework and timeline for collaboration with regional stakeholders are presented in detail. It is important to note that as development of the 2016-2040 RTP/SCS solidifies, changes may be made to account for input from our governing bodies and our partner agencies.

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<tr>
<td>Basic Approach/Framework and Program Set up</td>
<td>Establishing Technical Bases and Data Collection</td>
<td>Focus on Major Policy Directions</td>
<td>Establishing the Plan and Engaging the Public</td>
<td>Finalizing the 2016-2040 RTP/SCS</td>
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<td><strong>SEPT 2012-MARCH 2013</strong> New SCAG Subcommittees to begin policy development around their respective emphasis areas and identify regional priorities</td>
<td><strong>JULY-DEC 2012</strong> Determine the basics: What will be the base year/horizon year? How will this match up with available data from national and state-wide resources? Development of Draft Framework and Approach/Methodology: How will we get there? Data/GIS, Model/Tool Development: What will be the tools used to quantify outcomes? Identify uncertainties: What factors are outside our control? (e.g. ABG GHG Target revisions, planning for jurisdictions that require 4 year housing element cycles?)</td>
<td><strong>JANUARY 2013-SEPTEMBER 2014</strong> First phase of local input process. Work with local jurisdictions to collect and review data, GIS and forecast for the development of 2016-2040 RTP/SCS</td>
<td><strong>JANUARY-MARCH 2015</strong> Development of alternatives for achieving SCAG’s regional GHG reduction targets, as set by APB, and conformity emission budgets set in applicable State Implementation Plans</td>
<td><strong>FEBRUARY 2016</strong> Conclude and finalize Economic &amp; Job Creation Analysis Component of the 2016-2040 RTP/SCS</td>
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<td><strong>SEPTEMBER 2012-MARCH 2013</strong></td>
<td><strong>JANUARY-MARCH 2013</strong> Discuss the framework and methodology for development of the 2016-2040 RTP/SCS</td>
<td><strong>JANUARY-SEPTEMBER 2014</strong> Obtain input from cities and counties for SCAG’s Growth Forecast and develop list of local scenario planning options, through one-on-one meetings and subregional workshops, as applicable</td>
<td><strong>JANUARY-MARCH 2015</strong></td>
<td><strong>MARCH 2016</strong></td>
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<td><strong>JANUARY-MAY 2013</strong> Collect and review general plan, existing land use, zoning and SB 375 planning considerations</td>
<td><strong>FEBRUARY 2014</strong> Subregions sign letter of intent to accept SCAG’s delegation and submit this document to SCAG</td>
<td><strong>MARCH 2015</strong></td>
<td><strong>MARCH 2016</strong> Joint Policy Committees recommend approval to Regional Council of proposed Final PEIR, conformity determination, and 2016-2040 RTP/SCS</td>
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<td><strong>MARCH-AUGUST 2013</strong> Findings from the subcommittees will be presented at SCAG’s Regional Council, Policy Committees, and General Assembly</td>
<td><strong>APRIL 2014</strong> Subregions submit its regional GHG reduction methodology and GHG Reduction Targets to ABG (pending further discussion)</td>
<td><strong>APRIL-JUNE 2015</strong> Final input on planned projects from the CTCs for the Draft 2016-2040 RTP/SCS</td>
<td><strong>APRIL 2016</strong> Regional Council certifies Final PEIR and approves conformity determination and 2016-2040 RTP/SCS</td>
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<td><strong>APRIL-JUNE 2013</strong> Communicate with jurisdictions and stakeholders about the implementation of SCAG’s work plan for the 2016-2040 RTP/SCS</td>
<td><strong>APRIL-JUNE 2014</strong></td>
<td><strong>APRIL-JUNE 2015</strong> Conduct county-specific Draft 2016-2040 RTP/SCS Planning Workshops to fulfill SB 375 outreach requirements (16 workshops minimum, including extensive outreach for public participation)</td>
<td><strong>JUNE 2016</strong></td>
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<td><strong>JULY-SEPTEMBER 2013</strong> Revised/update regional, county level growth forecast of population, household, and employment</td>
<td><strong>JULY-AUG 2014</strong> SCAG submits its regional GHG reduction methodology to ABG for review and comment</td>
<td></td>
<td><strong>JUNE 2016</strong> ABG evaluates SCAG’s adopted 2016-2040 RTP/SCS and determines if the strategy will achieve the GHG reduction targets established by its Board</td>
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| | **OCTOBER 2013** Roll out growth forecast (base year 2012 and all projection years), and review process | **SEPTEMBER 2014** Deadlines for input from local jurisdictions on SCAG’s Growth Forecast, and for County Transportation Commissions (CTCs) to provide preliminary input on all planned projects to SCAG for the RTP/SCS | **SEPTEMBER 2015** SCAG’s General Assembly & Regional Council | **JUNE 2016** 
**FMWA/FTA evaluates SCAG’s conformity determination** |
| | **DECEMBER 2013** Complete preliminary calibrations to SCAG’s technical models | **OCTOBER 2014** Seek policy input/direction from Policy Committees and Regional Council on the scope of the Program Environmental Impact Report and RTP/SCS Strategies | **OCTOBER 2015** PC approves the release of the Draft PEIR and Draft 2016-2040 RTP/SCS for public review and comment | **OCTOBER 2015** Conduct extensive outreach to cities, counties, stakeholders, and the public on the Draft 2016-2040 RTP/SCS and PEIR to fulfill State & Federal requirements. Start of public input on the Draft RTP/SCS document |
| | | **DECEMBER 2014** Growth Forecast, Land Use Patterns, and Preliminary Financial Assumptions for the RTP/SCS to be completed | **DECEMBER 2015** | **OCTOBER 2015-MARCH 2016** Conduct workshops with Elected Officials and other appropriate outreach to fulfill State & Federal requirements |
Background of Local Input Process

Input from Local Jurisdictions

Process Began in March 2013 and will conclude in September 2014
Background of Local Input Process

Input from Local Jurisdictions

Input from Partner Agencies (e.g. CTCs)

Existing Conditions

Future Scenarios

System Impacts: Transportation & Emissions Outcomes

Regional Transportation Plan & Sustainable Communities Strategy
Local Input - Progress to Date

One-on-One Meetings

Meetings Completed
- 195
- 99%

Remaining Jurisdictions
- 2
- 1%

Percent of Jurisdictions Solicited for One-on-One Sessions: 100%
Total Surveys Completed As of 7/29/2014: **143**

Response Rate: **73%**

Updates to Local Jurisdictions’ General Plans
Percent of Jurisdictions Including 2012-2035 RTP/SCS Strategies in their Upcoming General Plan Update

- Infil Development: 91%
- Complete Communities: 79%
- Concentrated Destinations: 79%
- Transit Oriented Development: 67%
- All Four Strategies: 60%
Major Demographic Changes
SCAG Region

1. Slower growth
2. Immigration is plunging
3. Rise of the second generation immigrant
4. Growth from native Californians
5. Slower racial and ethnic change
6. Fewer children
7. A soaring senior population
Growth Forecast
SCAG Region

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
<th>2035</th>
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<tbody>
<tr>
<td>People</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jobs</td>
<td></td>
<td></td>
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<tr>
<td>Households</td>
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- People: 4.2m Change
- Jobs: 1.7m Change
- Households: 1.5m Change
Aging Population

SCAG Region Population Growth: Age 65 & Above

Source: SCAG historical data set and 2012-35 RTP/SCS projections.
Growing and Aging Population

Population By Age Group

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<thead>
<tr>
<th>Year</th>
<th>0-20</th>
<th>21-64</th>
<th>65+</th>
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<tbody>
<tr>
<td>2010</td>
<td>5.9</td>
<td>11.2</td>
<td>2.0</td>
</tr>
<tr>
<td>2035</td>
<td>6.6</td>
<td>12.6</td>
<td>3.8</td>
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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, 2000-2010

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<tr>
<th>Source</th>
<th>Total Increase</th>
<th>Contribution</th>
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<tr>
<td>Births (less) Deaths</td>
<td>1,651,392</td>
<td>(97.3%)</td>
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<tr>
<td>Domestic Foreign Migration</td>
<td>45,959</td>
<td>(2.7%)</td>
</tr>
<tr>
<td>Total</td>
<td>1,697,351</td>
<td>(100.0%)</td>
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Source: State of California, Department of Finance, County Population Estimates and Components of Change by Year
Population Growth Hotspots
2008-2035

4 Million New Residents by 2035
Population Growth
Riverside County, 1970-2035

Source: CA DOF & SCAG
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
What about the Millennials?

- Rapid adoption of new communication technologies
- Travel fewer miles and make fewer trips
- Less interested in car and house ownership
- Rapidly adopting components of the “shared” economy
- Favor towards low-travel urban lifestyles with emphasis on walking, cycling, ride-sharing and transit
For 2016, many of the planning factors are essentially the same as they were in 2012

- Demographic trends
- Transportation investment policy and projects
- Land Use policy

What’s the 2016 plan going to be “about?”

- Update and refine 2012 plan
- “Progress Report” on 2012 RTP/SCS implementation
- Explore implications of new transport innovations that were not considered in 2012
Looking Forward:
What Role will Technology Play?
Network/on-demand Transportation
Car & Bike Sharing

 contiene ilustraciones de pegatinas de la aplicación de Uber y Lyft, así como imágenes de bicicletas y coches.
Neighborhood Electric Vehicles
Incorporating Transportation Innovations into the 2016 RTP/SCS

- Alternative Fuel Vehicles (passenger & freight)
- Automated/Connected Vehicles
- Bikeshare
- Carpooling/Vanpooling (tech enabled)
- Carshare (RT & one-way)
- Driving Feedback Advice
- Electric Bicycles
- Goods Movement Technologies
- Automated Freight Vehicles
- Intelligent Parking
- Intelligent Transportation Systems (ITS – Roadway & Transit)
- Neighborhood Electric Vehicles
- Open Transit Data
- Roadway Pricing
- Pay-as-You-Drive Insurance
- Smart Phone Travel and Transit Apps
- Tele-commuting
- Transit Flexible Service
- Transportation Network Companies
Scenario Planning for Transportation Innovations

For each innovation:

- What is it?
- Adoption/Market penetration forecast
- Likely transportation behavior changes
- Can we model it?
- Land Use implications
- Cost implications – public and private
Active Transportation
2014 Call For Projects allocates $360 million statewide

SCAG Region – 68 awards totaling $115 million+ (68% of statewide funding pool)

Projects not selected through the statewide competition have a second chance for funding through the regional portion of the ATP, which will be approved by SCAG in October and include awards totaling $78 million.
Active Transportation Grant Program

- SCAG: $2.3 million for a region-wide safety and encouragement campaign.
- CVAG: $10.9 million for CV Link
- SANBAG: $4.7 million to improve transit access at Metrolink stations
Potential Scenarios

Initial Scenarios
- 2012 Plan Update
- Local Input
- *Policy 1
- *Policy 2

Draft Alternative
Scenario Planning: Axes of Innovation

- Slow << Rate of adoption >> Fast
- Public investment << private incentive >>
- Slow << AT investment rate >> Fast
- Transit enhancement << private vehicle >>
- Lo-dens. << Corresponding Land Use changes >> Compact
For more information:

www.scag.ca.gov

Brandenburg@scag.ca.gov

Thanks!