SB375 Sustainable Communities Strategy Implementation: Reducing Energy Use through Regional Planning

21st Annual UCLA Lake Arrowhead Symposium
Energy Planning and Land Use Session
October 17, 2011
SB 375 (2008) 
Sustainable Communities Strategy
San Diego County’s GHG Emissions

State Approach to Cutting On-Road GHGs

State requiring cleaner fuel options

State requiring higher MPG vehicles

Regions’ growing smarter, planning better
GHG Reductions: CARB Targets and SANDAG Planning

<table>
<thead>
<tr>
<th>Target Year</th>
<th>CARB Target</th>
<th>Draft 2050 RTP/SCS</th>
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<tbody>
<tr>
<td>2020</td>
<td>7%</td>
<td>14%</td>
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<tr>
<td>2035</td>
<td>13%</td>
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Per Capita Reductions from 2005 (26 lbs/person)
Planning for a Sustainable Future

- Provide more transportation choices through an integrated system
- Preserve natural resources and promote smart growth
- Maximize investments and meet funding challenges
San Diego Regional 2050 Forecast: Population, Jobs, Housing

Population - DOF
Population - SANDAG
Census 2010
Housing
Jobs
Habitat Conservation Planning Areas in the San Diego Region
Land Use-Transportation Connection
SANDAG Regional Comprehensive Plan’s (RCP’s) Focus

- Better connecting land use and transportation
- Using our plans to guide public facility and environmental investments
- Making it happen through incentives and collaboration
Incentives and Collaboration

Smart Growth Tool Box

**Planning Tools**
- Smart Growth Concept Map
- Visualization Tools and Smart Growth Photo Library
- Smart Growth Design Guidelines
- Trip Generation/Parking Study
- San Diego Regional Bicycle Plan
- Public Outreach Program

**Financing Tools**
- *TransNet* Smart Growth Incentive Program
- *TransNet* Environmental Mitigation Program (EMP)
- *TransNet* Bike/Ped Neighborhood Safety Program
- Regional Housing and Smart Growth Financing Strategy
1. Metropolitan Center
2. Urban Center
3. Town Center
4. Community Center
5. Mixed Use Transit Corridor
6. Special Use Center
7. Rural Village
SANDAG’s Draft Sustainable Communities Strategy and 2050 R.T.P.
Integrated Transportation System
Natural Resources and Smart Growth
Investments and Funding
Draft 2050 R.T.P.
Sustainable Communities Strategy

Compared to No Build:

– Strong improvement in the percentage of work and higher education trips that can be made within 30 minutes

– Daily travel by transit is projected to more than double in the Revenue Constrained Scenario

– Access to transit is projected to improve – 75% of trips could access transit within a ½ mile

– Substantial increase in carpooling, transit, and biking/walking for work trips
2050 Housing Distribution

- 75% housing growth in Transit Investment Area
- Half in Smart Growth Opportunity Areas
- 56% within 10-min. walk of existing high-frequency transit

Housing Density 2050
Dwelling Units/Acre

- 0.5 - 2
- 2 - 5
- 5 - 10
- 10 - 20
- 20 - 100
- 100 - 465
2050 Job Distribution

- 70% job growth in Transit Investment Area
- 36% in Smart Growth Opportunity Areas
- 40% within 10-min. walk of existing high-frequency transit

Employment Density 2050
Jobs/Acre

- 0.25 - 3
- 3 - 10
- 10 - 25
- 25 - 75
- 75 - 1177

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Integrating Energy Considerations into Land Use Planning

- Regional Energy Strategy
- Climate Action Strategy
- Regional Alternative Fuels Assessment
- Energy Roadmaps for Local Governments
- 2050 Regional Transportation Plan and Sustainable Communities Strategy
- Update of Regional Comprehensive Plan
- Future Local and Regional Energy and Climate Plans
SB375 Sustainable Communities
Strategy Implementation:
Reducing Energy Use through Regional Planning

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