

# San Luis Obispo Climate Change Adaptation Workshop



*Climate Change Adaptation and Mitigation: Local Strategies*



## San Luis Obispo Council of Governments

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### Climate Change Adaptation and Mitigation: Local Strategies

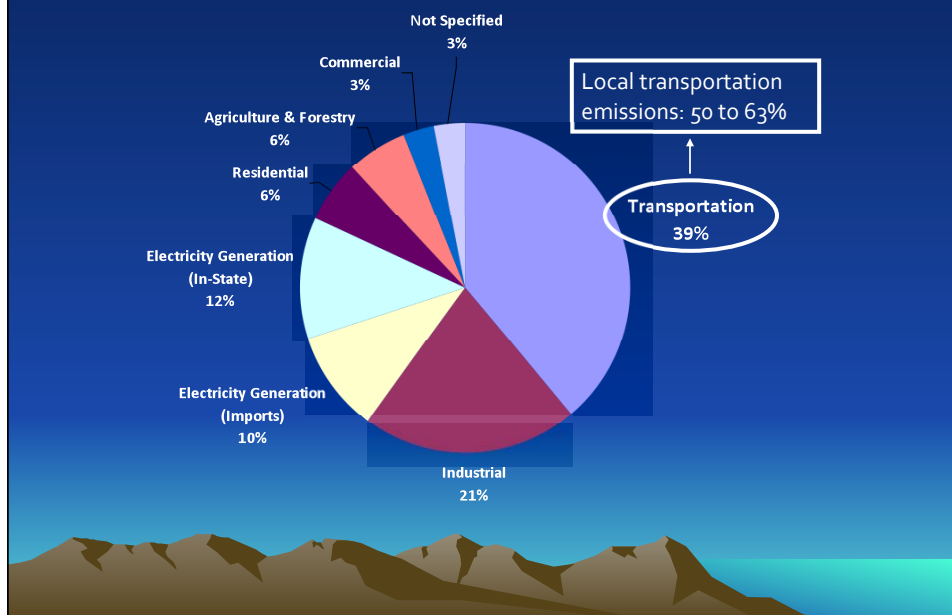
#### Area of Involvement

##### 1. Climate Mitigation

- ✓ Transportation plans and programs geared towards creating a more effective and efficient transportation system
- ✓ Regional Visioning Program: *Community 2050*

##### 2. Climate Adaptation

## Statewide Emissions Inventory by Sector (2006)



## Climate Change Adaptation and Mitigation: Local Strategies

### SLOCOG and Climate Mitigation

#### Planning and Programming

##### i. Regional Transportation Plan

Intermodal transportation focus:

- All modes of transportation
- Integrated transportation system
- Operational improvements
- Transportation Demand Management (Ridesharing)

##### ii. Programming (\$20 to \$25M per year)



## Climate Change Adaptation and Mitigation: Local Strategies

### Community 2050 – Blueprint Planning

Long-range vision and scenario planning

Adopted in 2008

Smart Growth Principles

Regional Growth Strategy

1. Identify socio-economic and development trends
2. Develop future land use scenarios
3. Concentrate development in urban areas
4. Discourage development in rural areas and farmlands



## Climate Change Adaptation and Mitigation: Local Strategies

### New state requirements: SB 375

Incorporate *Sustainable Communities Strategy* into  
Regional Transportation Plan

Goal: Reduce VMT and GHG to state targets

- ✓ Develop land use & transportation scenarios
- ✓ Model projected VMT and GHG emissions
- ✓ Develop policies and programs to implement



## Climate Change Adaptation and Mitigation: Local Strategies

### Preliminary SCS 2010 RTP

Land use and transportation scenarios developed

Findings:

Preferred Growth Scenario addressing concentrated development with increased investments in ALL modes of transportation yields:

- Per capita VMT reduction: 10.5% for 2035
- Per capita GHG reduction: 13.4% for 2035



## Climate Change Adaptation and Mitigation: Local Strategies

### 2010 RTP: Draft plan in progress

Develop policies and programs that focus on:

- System improvements
- Ridesharing
- Transit, bike and pedestrian improvements
- Livable Communities initiatives
- Concentrating improvements in target areas

Schedule: Draft plan in August; adopt December

Full SCS-compliant RTP 2012+



## Climate Change Adaptation and Mitigation: Local Strategies

### Climate Change Adaptation Efforts:

#### Sea rise and sea surge

Fortify critical facilities

- ✓ US 101 and Shell Beach Road in Pismo Beach

Relocate roadways

- ✓ SR 1 near Piedras Blancas

#### Flooding

Bridge modifications

- ✓ Meadow Creek in Grover Beach at Grand Avenue

#### Landslide impacts

- ✓ Cuesta Grade (US 101)

- ✓ SR 46 (west of US 101)



## San Luis Obispo Council of Governments

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