

**California Senate Bill 375  
Greenhouse Gas Reduction  
Target Setting Process**

**Public Workshop**

**California Air Resources Board  
May 12, 2010**

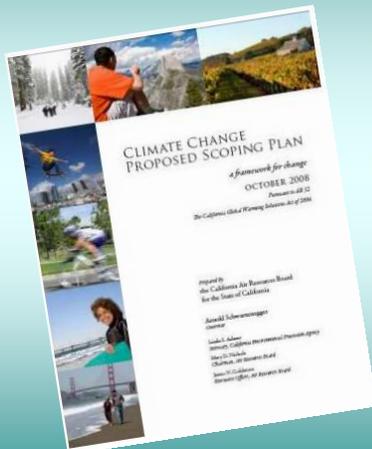
**Background**

## California Senate Bill 375

- Landmark legislation aligns regional planning for transportation, housing and greenhouse gases
- SB 375 is incentive-based
- Implementation occurs at the local and regional level
- Supports AB 32 goals

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## California's Climate Change Scoping Plan A Framework for Change



- Relies on SB 375 for GHG reductions from land use and transportation
- Approximately 40% of the GHG emissions in California are transportation-related
- 80% of this comes from on-road vehicles – mostly cars and light trucks

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## California's Approach to Reducing Transportation GHG Emissions

- The State's approach to reducing these emissions is focused on three components:
  - Cleaner Cars (AB 1493, Pavley)
  - Cleaner Fuels (Low-Carbon Fuel Standard)
  - Promoting regional planning that leads to fewer miles driven overall (SB 375)



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## Scoping Plan Estimates of SB 375 Benefits

- 5 MMTCO<sub>2</sub>e statewide estimate in 2020
- Based on U.C. Berkeley study
  - Median 4% VMT reduction over 10 years
- SB 375 process will provide actual targets

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## SB 375 - Basics

- Regional greenhouse gas targets
- Regional plans to meet targets
- Regional housing needs assessment (RHNA)
- Environmental document streamlining

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## Metropolitan Planning Organizations



- 18 MPOs
- 98% of the State's population
- 97% of the State's passenger vehicle GHG emissions

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## **SB 375 Promotes a New Regional Planning Process**

- Climate change impacts of land use and transportation patterns must be considered in regional transportation plans
- Regional housing plans are to be aligned with development patterns in regional transportation plans
- Land use decisions remain at local level

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## **Adds New Element to Regional Transportation Plans**

- Policy element
- Action element
- Financial element
- Sustainable Communities Strategy (SCS)
  - General location of land uses, residential densities, and building intensities
  - Areas to house region's expected population, including all economic segments
  - Transportation network and other transportation measures and policies

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## Sustainable Communities Strategy

- Developed by MPO through an enhanced public process
  - Modeling, assumptions, and results must be transparent and easily understandable
- Includes quantification of GHG reductions achieved by strategy and comparison to GHG reduction targets
- If SCS does not meet targets, a separate Alternative Planning Strategy (APS) is required

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## Target Setting Under SB 375

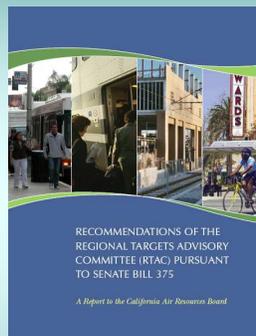
- Regional Targets Advisory Committee (RTAC) advises ARB on target setting (Completed September 30, 2009)
- ARB exchanges data with MPOs and air districts
- MPOs may propose targets for their region
- ARB issues draft targets by June 30, 2010
- ARB issues final targets by September 30, 2010
- ARB may update targets every four years

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## MPO and Technical Work

### Key RTAC Recommendations

- Target metric: percent per-capita GHG emissions reduction
- Build scenarios from bottom-up
- Need investment in modeling and technical tools



## Work Efforts Since RTAC

- ARB and MPO collaboration and scenario development
- MPO data
- EMFAC-based GHG emission tool
- SCS planning grants / CTC Guidelines
- Participation in MPO process
- U.C. work on policies and practices
- Local actions

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## ARB and MPO Collaboration and Scenario Development

- ARB staff has been part of the technical team along with MPO staff to explore regional scenarios
  - Interregional travel data method
  - Travel cost and revenue assumptions
  - Consistent policy descriptions (e.g. land use, system/demand management, pricing)
  - Performance measures
  - Flexibility on federal planning requirements

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## MPO Base Case Data

- Data provided by MPOs based on adopted RTP
- VMT and greenhouse gas emissions for:
  - SB 375 base year – 2005
  - First target year – 2020
  - Second target year – 2035
- MPOs will discuss regional scenario data at May 25 RTAC meeting

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## EMFAC-based GHG Emissions Tool

- ARB developed tool for MPOs to calculate GHG reductions from regional scenarios
- Accounts for GHG reductions from clean car standard and low carbon fuel standard
- Allows calculation of reductions from all three together
- Accessible through ARB website:  
<http://www.arb.ca.gov/cc/sb375/tools/postprocessor.htm>

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## SCS Planning Grants / CTC Guidelines

- Strategic Growth Council
  - Allocated \$12M Proposition 84 funds
  - Additional incentives coming for local and regional efforts
- CTC approved RTP guidelines last month

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## U.C. Work on Policies and Practices

- ARB/UC Research Agreement
  - Provide easily understandable summaries of key policies that have empirical support
- Provide a common basis for ongoing model and tool development
  - Not a checklist SCS strategies

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## Local Actions

- Cities and regions are diverse – implementation must work within context of regional efforts
  - Existing plans – Climate Action Plans, General Plan Updates
  - Excellent examples already on the ground
- MPOs are the regional conveners
  - Hosting public workshops, meetings, and discussions

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## Process and Considerations

## Targets for 2020 and 2035

- Percent per capita greenhouse gas reduction
- Near and longer-term planning horizons
  - Changes in transportation and land use form require time
  - Visionary sustainable communities
- Demographics and market changes
- Economic recovery implications
- MPO and local data plus statewide information

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## Regional Considerations

- SCAG, MTC, SANDAG, SACOG
- San Joaquin Valley
- Other MPOs: SBCAG, SLOCOG, AMBAG, BCAG, SCRTPA, TRPA

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## Next Steps in Target Setting Process

- May 25 RTAC Meeting
- June draft targets released
- July workshops and additional MPO consultation
- August staff recommendations released
- September ARB Board action on final targets
- Anticipate 4 year update

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**Thank you!**

More information and  
opportunity to submit written  
comments at:

[www.arb.ca.gov/cc/sb375/sb375.htm](http://www.arb.ca.gov/cc/sb375/sb375.htm)