

California's Climate Change Initiative

USDA Agricultural Air Quality
Task Force Meeting
San Diego, May 2007

2005 Executive Order Established Statewide GHG Targets

“I SAY THE DEBATE IS OVER. WE KNOW THE SCIENCE. WE SEE THE THREAT. AND WE KNOW THE TIME FOR ACTION IS NOW.”

Governor Arnold Schwarzenegger
June 2005



2005 Executive Order Established Statewide GHG Targets

By 2010, Reduce to 2000 Emission Levels

By 2020, Reduce to 1990 Emission Levels

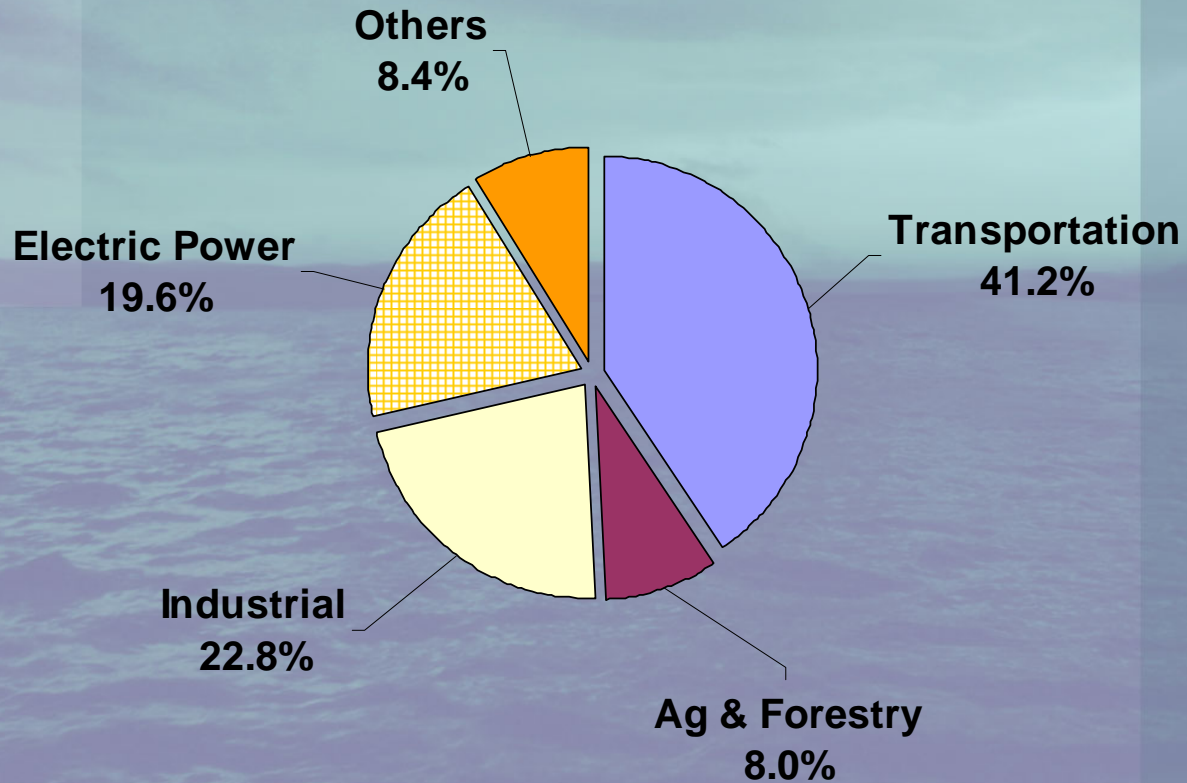
By 2050, Reduce to 80% Below 1990 Levels



IMPACTS TO CALIFORNIA

- ❑ Loss of Snow Pack (Water Storage)
- ❑ Sea level Rise
- ❑ Heat waves that jeopardize public health and worsen air pollution
- ❑ Damage to agricultural industry
- (...)

Climate Change Emissions -- California



Climate Action Team

- Cal/EPA Secretary Chairs the Team
- BT&H, CDFR, Resources, PUC, ARB, CIWMB, and CEC are Represented
- The CAT Report:
 - Key Recommendations
 - 40 Emission Reduction Strategies
 - Market-Based Program
 - Scenario Analysis
 - Final Report to Governor and Legislature in March 2006 (updated Biennially)

Assembly Bill 32

- ❑ Global Warming Solutions Act of 2006
- ❑ Reduce GHG emissions to 1990 levels by 2020 (30% reduction)
- ❑ Detailed action schedule



Main Provisions - Timeline

Provision	Date
List of early action measures	7/07
Mandatory GHG reporting regulation	1/08
GHG reduction scoping plan <input type="checkbox"/> Market-Based Programs <input type="checkbox"/> Other programs: regulations, incentive, etc.	1/09
Early action measures adopted	1/10
Plan implemented	1/11

Implementation

- ❑ Climate Action Team continues its work
- ❑ Early focus on technology development, market-based mechanisms, economic impacts
- ❑ Commitment to coordinate with other states, nations
- ❑ Open, transparent process
- ❑ Extensive consultation with stakeholders
- ❑ Detailed review of economic impacts
- ❑ Advisory Committees

Advisory Committees

- Environmental Justice
- Economic & Technology Advancement
- Market Advisory



Market-Based Programs

- ❑ Market-Based Program Can Be Integral To California's Strategy For Reducing Emissions
- ❑ A National Approach To Capping Emissions Within An International Framework Would Be Most Effective
- ❑ In The Absence Of National Action, California Can Lead By Example By Developing A Market-Based Program As A Model For National Action

Issues

- ❑ How market and regulations will interact
- ❑ Size, form of initial market
- ❑ Coordination on electricity policy & rules
- ❑ Avoiding leakage
- ❑ Confirming GHG reductions are real
- ❑ Future role of Registry

Next Steps

- ❑ Climate Action Team Will Work to Implement Emission Reduction Strategies
- ❑ Market-Based Program Developed
- ❑ Refine Economics Analysis
- ❑ Continue Scenario Analysis Including Adaptation Options

What about Agriculture???

- ❑ Opportunities to generate credits?
E.g., Dairy manure management
- ❑ Which project protocols are needed to document emission reductions?
- ❑ Input into best response for addressing adverse impacts.

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