

# **Clean Diesel Agriculture Leaders Forum**

## **AB 32: The California Global Warming Solutions Act of 2006**

**James Goldstene  
California Air Resources Board  
March 29, 2007**

# Climate Impacts

## California Projected Impacts

75% loss in snow pack

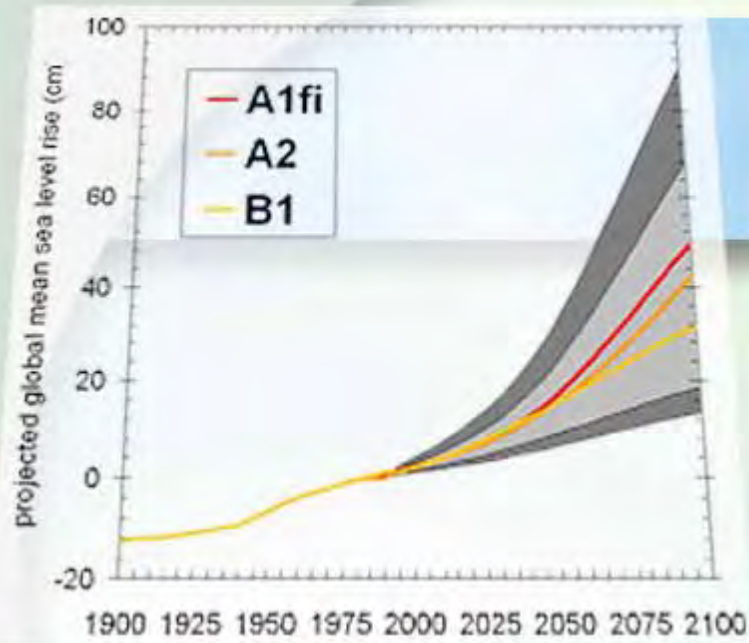
1-2 foot sea level rise

70 more extreme heat days/year

80% more 'likely ozone' days

55% more large forest fires

Twice the drought years



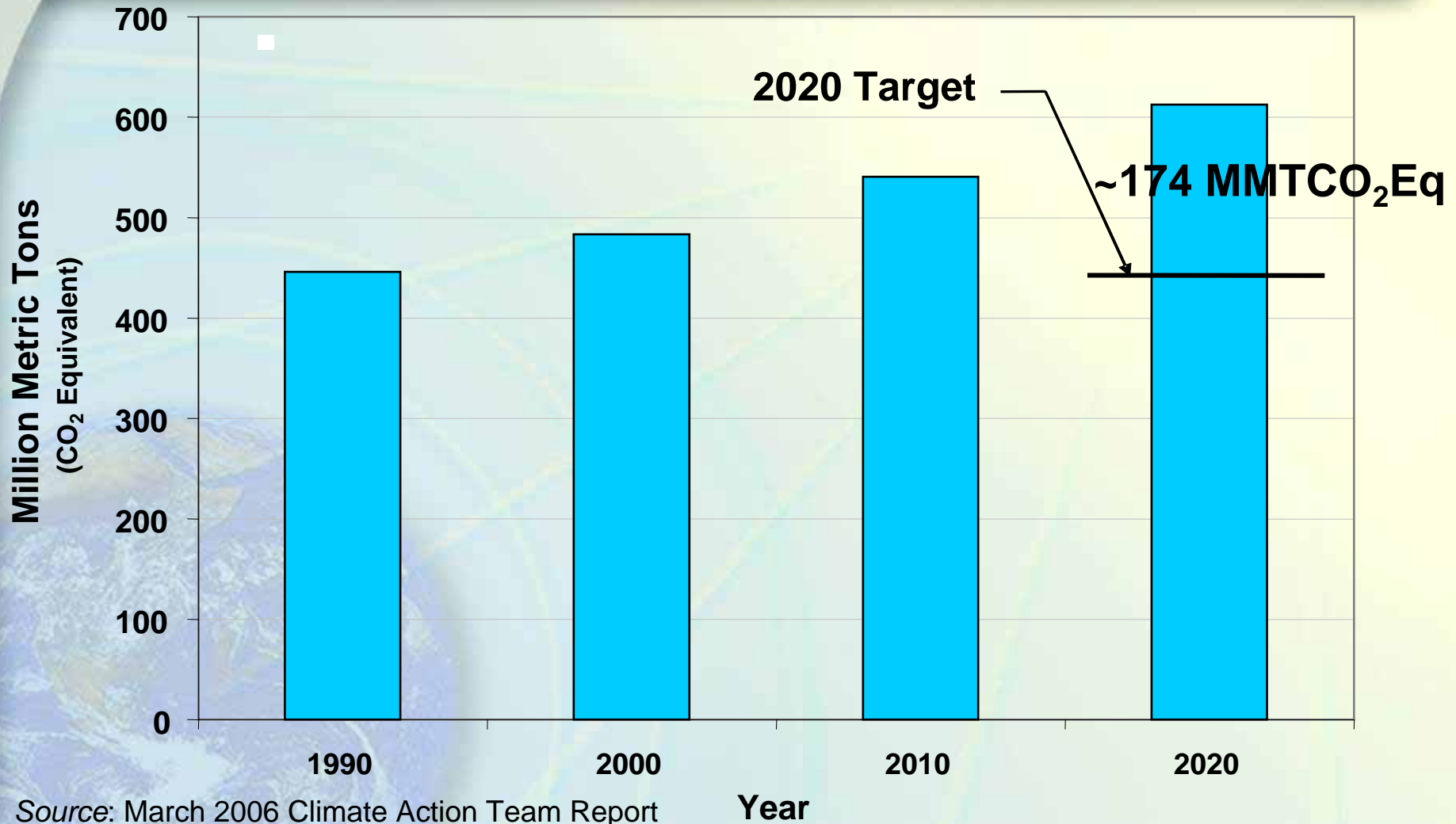
# California Climate Change Emissions



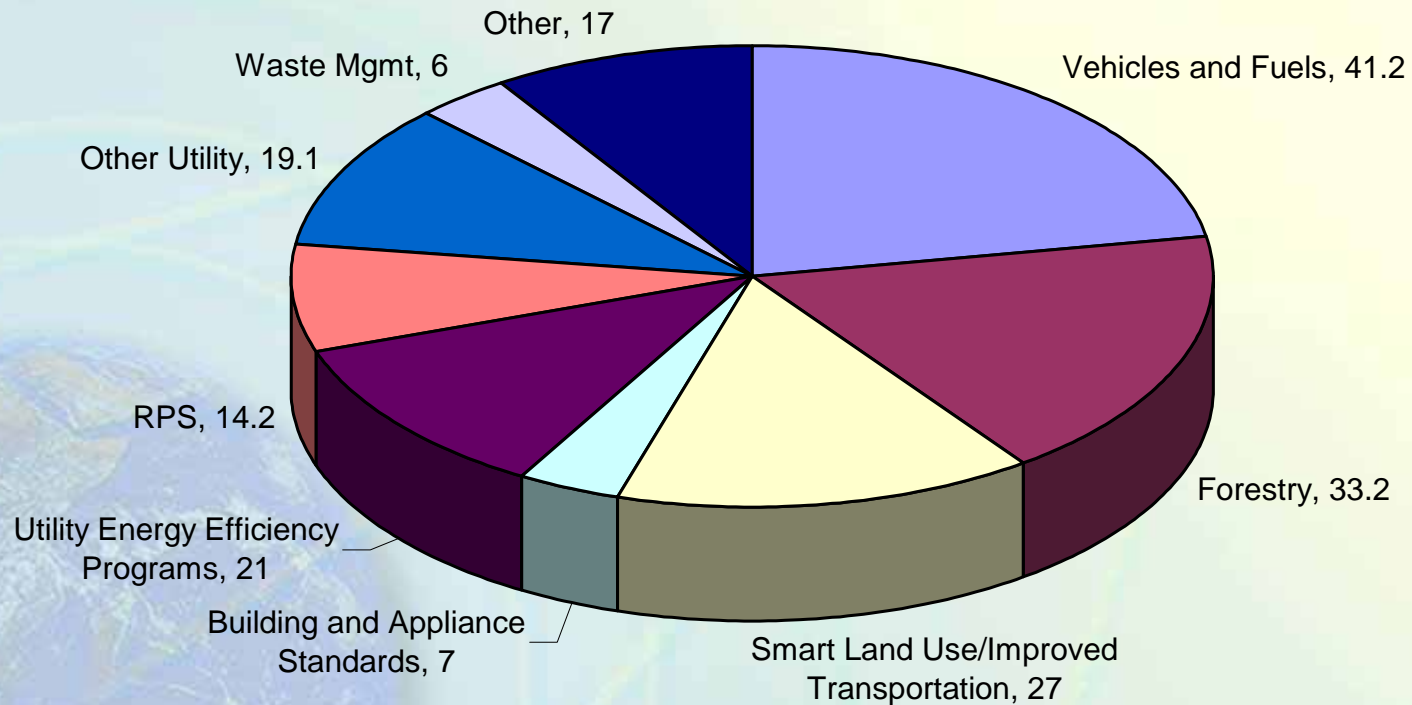
climate  
CHANGE

# The Magnitude of the Challenge

## California's GHG Emission Inventory



# Sources of Potential Reductions (Million Metric Tons CO2 Equivalent)



Source: March 2006 Climate Action Team Report

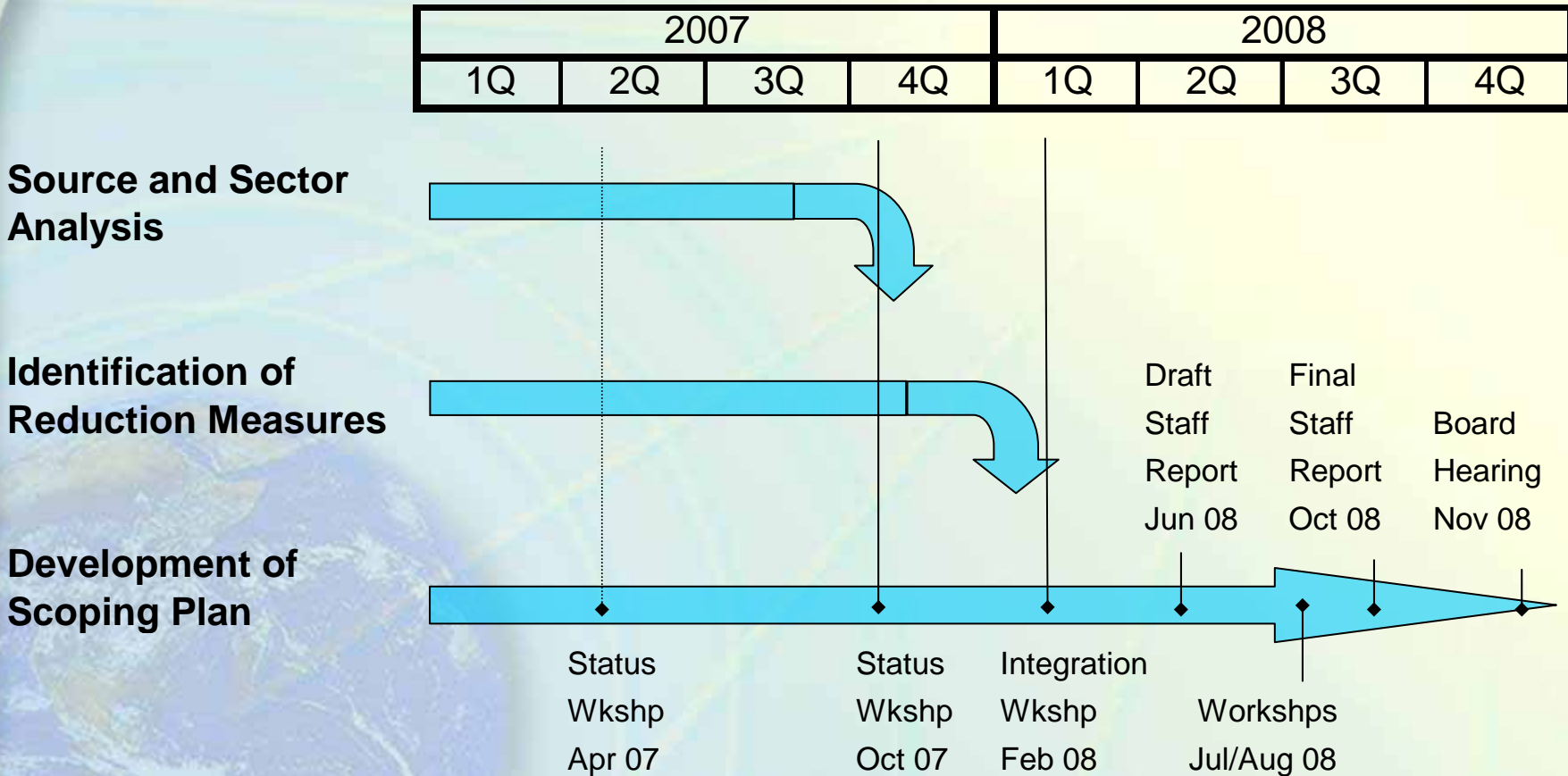
# Implications

- Reductions needed across many sources and sectors
- Will be multi-agency effort
  - Climate Action Plan
- Will be mix of near-term and long-term approaches
  - 2020 is not final endpoint

## AB 32 Timeline

- 1/1/07: ARB maintains statewide inventory
- 1/1/08: Mandatory reporting of emissions  
Adopt 1990 baseline/2020 target
- 6/30/07: List of discrete early actions
- 1/1/10: Regulations to implement early action measures
- 1/1/09: Scoping plan of reduction strategies
- 1/1/11: Regulations to implement scoping plan

# Workflow—Scoping Plan Development





The background features a light blue and yellow gradient. At the top, there is a horizontal blue bar with a slight gradient. In the bottom-left corner, a portion of a globe is visible, showing continents and oceans. Faint, curved lines in shades of blue and yellow are scattered across the background, suggesting a network or global connectivity.

# **Coordination with Other Initiatives**

# Climate Action Team

- Many GHG reduction activities cut across agency boundaries
- Agencies other than ARB are lead for important components
- Climate Action Team will oversee coordinated effort
- Public meeting held March 12, 2007 to discuss plan update
  - Coordinated with AB 32 timing

# Climate Action Team Subgroups

- Local Government/Smart Growth
- State Fleet
- Agriculture
- Green Buildings
- Forestry
- Cement
- Landfills/Digester
- Water/Energy Efficiency

# Market Advisory Committee

- Committee appointed
- First public meeting February 27, 2007
- Will provide recommendations to ARB by June 30, 2007
- ARB will review Committee input and consider as part of public process
- ARB responsible for program adoption

# California Climate Action Registry

- ARB working closely with CCAR
  - Review of existing protocols
  - Development of new protocols
  - Consultation on reporting issues

# Local Government Activities

- Local governments showing climate leadership
- ARB liaison working to build relationships
- Climate Action Team subgroup established to better define state/local interaction
  - Support for local activities
  - Guidance on possible reduction strategies
  - Quantification/accounting of reductions

The background features a light blue and yellow gradient. At the top, there is a solid blue horizontal bar. In the lower-left corner, a portion of a globe is visible, showing continents and oceans. A faint grid of lines is overlaid on the background.

# Near Term Focus

# Environmental Justice Advisory Committee

- Members nominated by environmental justice and community groups
- To advise ARB on scoping plan and other pertinent matters
- Membership approved at January 25, 2007 Board meeting
- First meeting March 15, 2007



# Economic and Technology Advancement Advisory Committee

- Advise ARB on technology research and development opportunities
- Representation from stakeholder groups, academia, technology experts
- Membership approved at January 25, 2007 Board meeting
- First meeting held March 1, 2007

# Early Action Measures

- Board to publish list of discrete early action measures by June 30, 2007
- Board must adopt implementing regulations, to be enforceable by January 1, 2010

# Recognition of Voluntary Action

- Adopt methodologies for quantification of voluntary emission reductions
- Ensure that entities that have voluntarily reduced emissions receive appropriate credit
- Adopt regulations to verify and enforce any voluntary emission reductions to comply with GHG emission limits

# Implementation

- Assembling team (existing and new staff hires, external experts)
- Open, transparent process
- Intensive consultation
  - Cal/EPA, Climate Action Team
  - Advisory Committees
  - National and international experts
  - Stakeholders

# Contacts and More Information

- ARB Climate Change Web Site
  - <http://www.arb.ca.gov/cc/cc.htm>
  - Stay informed - sign up for list serve
- California Climate Change Portal
  - <http://climatechange.ca.gov>
- Chuck Shulock (916) 322-6964  
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