

The background of the slide features a satellite-style image of the Earth, showing the Western Hemisphere. The image is semi-transparent and serves as a backdrop for the text. The top of the slide has a light blue curved header.

**West Coast Collaborative**

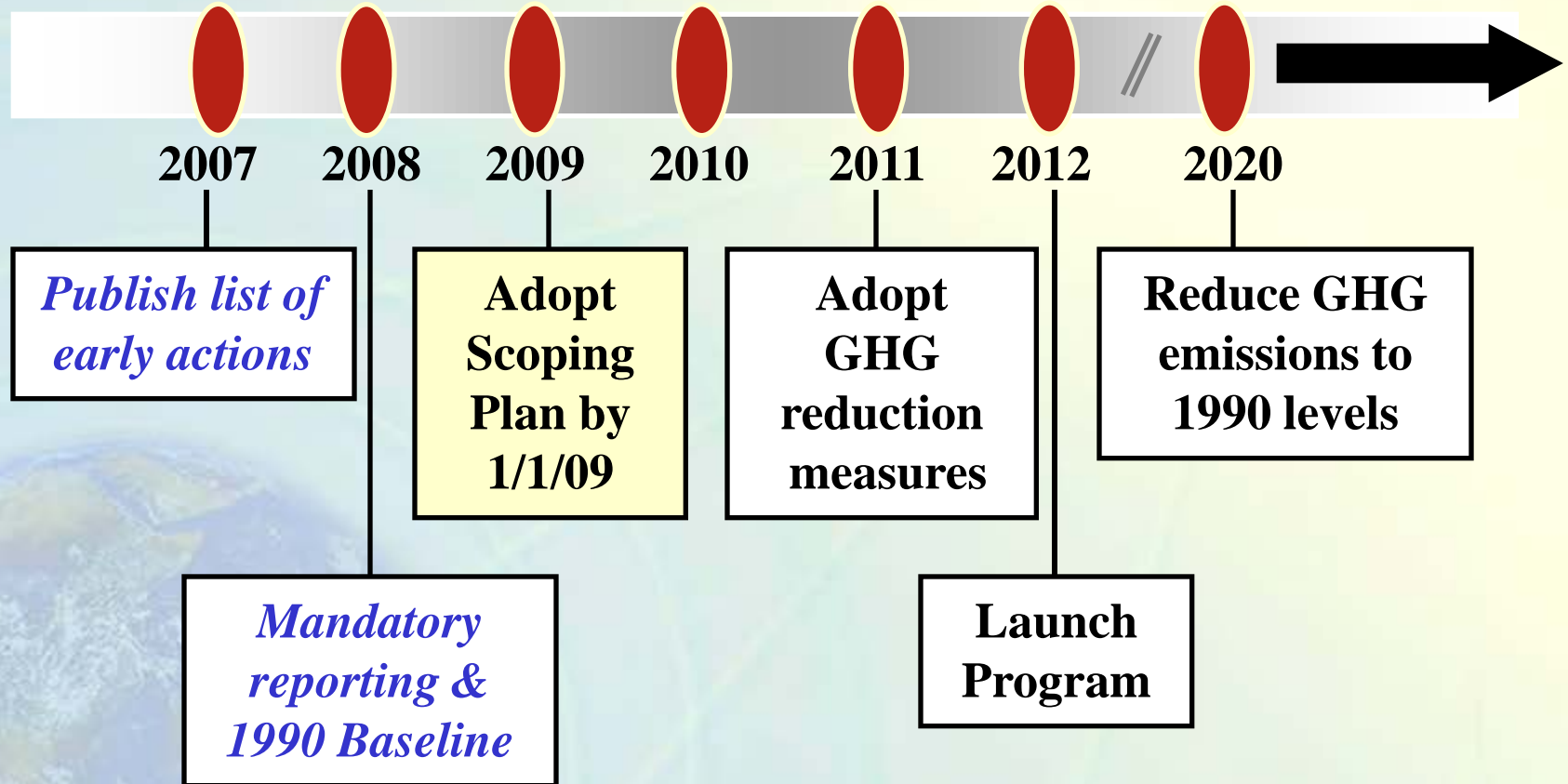
**California's Climate Change  
Proposed Scoping Plan:  
A Framework for Change**

November 2008

# The Time for Action Is Now

- Reduce California's greenhouse gas emissions to 1990 levels by 2020
- Provide a model for regional, national and international programs
- Grow the State's economy and promote investment in green technology
- Protect and improve public health

# AB 32 Timeline



# Scoping Plan Development

- Draft Scoping Plan – June '08
- Receive input
  - Workshops
  - Community meetings
  - Written comments
  - Stakeholder meetings
  - Climate Action Team
- Supplemental Evaluations – Sept '08
  - Workshop and comments
- Proposed Scoping Plan – Oct '08

# Plan Recommendations

- Mix of strategies that combine market mechanisms, regulations, voluntary measures, and fees
- Key elements:
  - Energy efficiency programs
  - Renewable energy
  - California cap-and-trade program linked to WCI
  - Targets for transportation-related emissions
  - Existing laws and policies (e.g., Pavley, LCFS)
  - Targeted fees

# Cap-and-Trade

- Firm cap on emissions
- California program linked to western region
- Electricity and industrial sectors in 2012
  - Add Transportation and Natural Gas in 2015
- Transition to 100% auction of allowances worthwhile goal
- Offsets limited to less than half of required reductions
- Will seek input from broad range of experts on use of revenue

# Sector-Specific Measures

## *CAPPED SECTORS*

- **Transportation** (Pavley, LCFS, regional VMT targets)
- **Electricity/Energy** (Efficiency, 33% renewables, Solar Roofs and water heating)
- **Industry** (Combustion sources)

## *UNCAPPED SECTORS*

- **High Global Warming Potential Gases** (New products and existing banks)
- **Industry** (Fugitive emission sources)
- **Forests** (Preserve sequestration, biomass utilization)
- **Recycling & Waste** (Landfill methane, high recycling/zero waste)
- **Agriculture** (Methane capture at large dairies)

# Measures Focusing on Diesel

- Ship electrification – adopted Dec 2007
- Goods movement
  - Additional efficiency improvements beyond Goods Movement Emission Reduction Plan
- Aerodynamic improvements for existing trucks
  - Scheduled for Board consideration Dec 2008
- Hybridization of heavy/medium-duty trucks
  - Under development



# **Economic & Public Health Benefits**

## **Economic**

- Create jobs and save households money
- Position CA for more sustainable future
  - Energy efficiency and clean technology

## **Public Health**

- ~400 avoided premature deaths in 2020
  - \$2.2 billion in air-quality public health benefits
- Additional benefits from local and regional transportation measures

# Next Steps

- November 20, 2008
  - Public Hearing to discuss Proposed Scoping Plan
- December 11, 2008
  - Board vote on Proposed Scoping Plan

# Scoping Plan Implementation

- Two years to adopt AB 32 measures
  - Regulatory development will follow normal public process
  - Extensive stakeholder outreach and involvement, including small business
- Implementation and enforcement critical
- Local governments, State energy agencies, the Climate Action Team, and air districts will play key role

# References

Download the Proposed Scoping Plan:

[http://www.arb.ca.gov/cc/scopingplan/document/scopingplan\\_document.htm](http://www.arb.ca.gov/cc/scopingplan/document/scopingplan_document.htm)

ARB's Climate Change Website:

<http://www.arb.ca.gov/cc/cc.htm>

California's Climate Change Website:

<http://climatechange.ca.gov/>

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