

A satellite view of the Earth from space, showing the Western Hemisphere. The United States, Mexico, and parts of South America and the Atlantic and Pacific Oceans are visible. The image has a blue and white color scheme with a grid pattern overlaid.

California Global Warming Solutions Act of 2006

Greenhouse Gas Mandatory Emissions Reporting

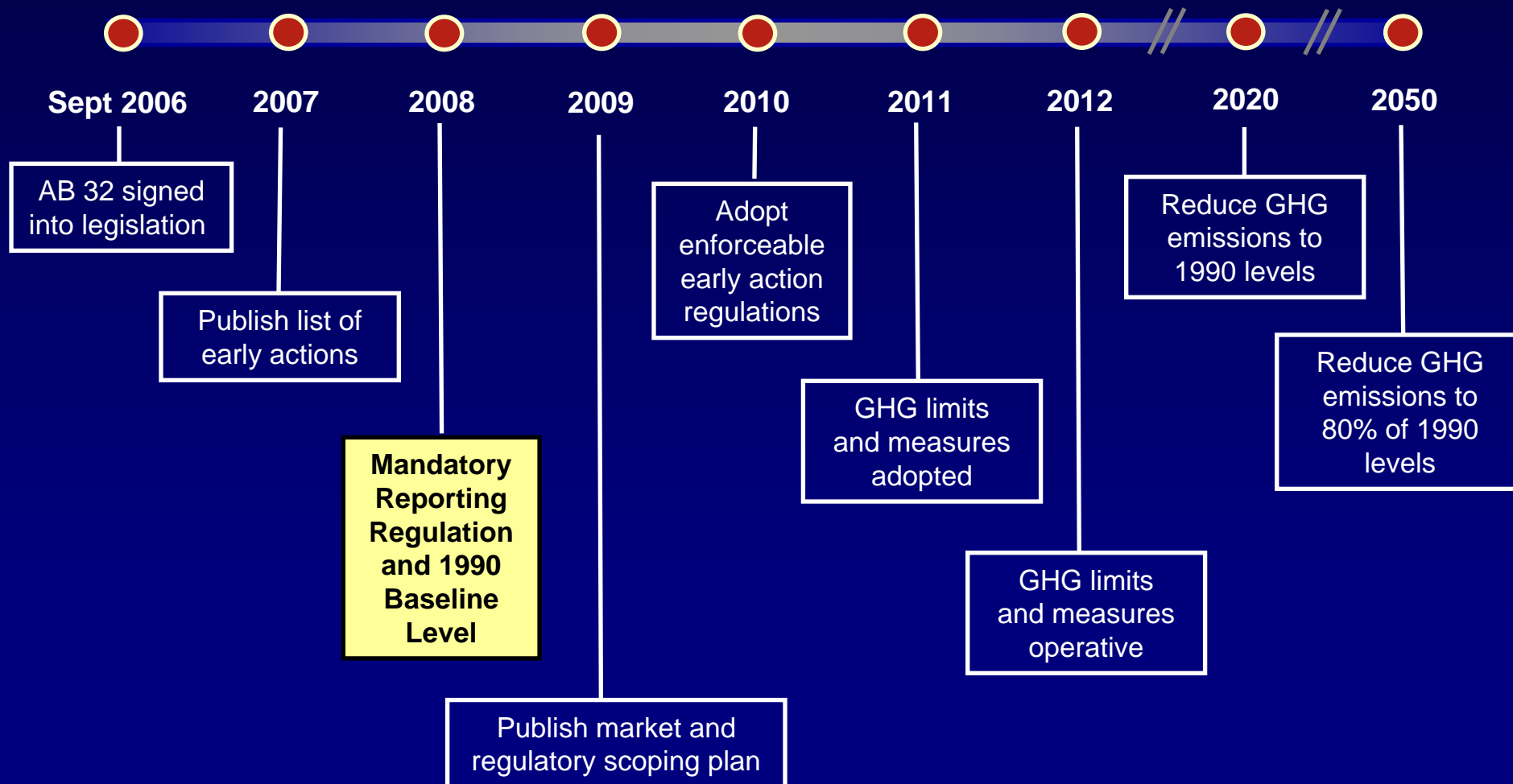
Reporting Greenhouse Gas Emissions Under AB 32

Briefing to the GHG Environmental Justice Committee
April 30, 2007 - Cal/EPA Headquarters

Presentation Overview

- AB 32 Reporting Requirements
- Ideas for Mandatory Reporting
- Protocols and Reporting Tools
- Next Steps and Schedule

California Global Warming Solutions Act of 2006 (AB 32)



AB 32 Statutory Requirements for Reporting



- Reporting regulation by January 1, 2008
- Begin with sources contributing the most to statewide emissions
- Account for all electricity consumed, including imports
- Provide reporting tools

Key Questions



- Who is subject to reporting
- Level of detail for of reporting
- Reporting schedule and tools
- Adopting mandatory GHG emission estimation protocols
- Verifying submitted data

What We Are Proposing

- Emissions reported at the facility level
- California GHG emissions for identified facilities
- All six Kyoto GHGs where methods exist
- Annual updates of reported emissions



Initial Reporting Facilities (proposed)

- Electric power generators/utilities
- Oil refineries
- Cement manufacturers
- Larger industrial/commercial combustion sources

Total includes over 90% of stationary CO₂ emissions



Possible Later Reporting

- Oil and Gas production/distribution
- Landfills
- Other sources...
- Sources added based on:
 - magnitude of emissions
 - availability of methods (protocols)
 - other factors

Emission Estimation Protocols

- Available protocols provide emission estimation techniques
- We are adapting protocols for the mandatory program
- Key requirements and methods to be included in reporting regulation
- Additional protocols are under development
- Receiving extensive stakeholder input

GHG Reporting Protocol Status

- General Reporting
- Power/Utilities
- Cement Production

Available California Registry protocols

- Refineries
- Natural Gas Transmission and Distribution

Protocols under development for future use

Timing for Reporting



- ARB regulatory hearing:
Dec 2007
- Effective date (OAL approved):
mid- 2008
- Earliest GHG emissions reporting
in mid-2009
- Reporting may phase-in as new
protocols developed

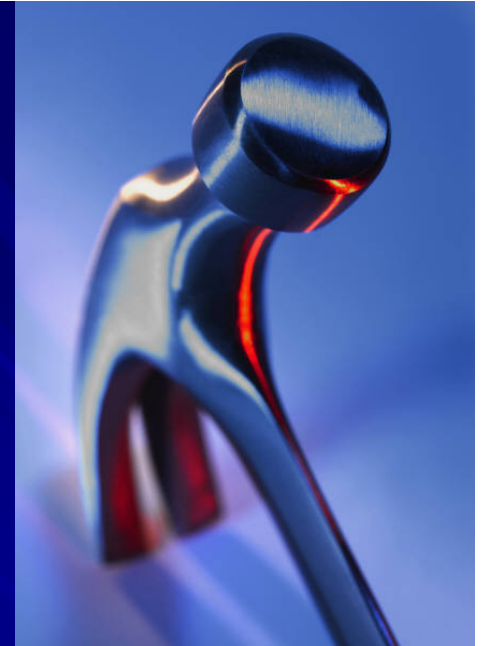
Questions for Upcoming Workshops

- How do we handle very small GHG emission sources at facilities
- How will reporting of emissions from purchased electricity be handled (indirect emissions)?
- What type of verification program should be used?



Emissions Reporting Tools

- Want to minimize reporting burdens
- Provide consistent tools and methods for those reporting
- California Climate Action Registry GHG reporting tool (CARROT) appears best option
 - Some modifications likely needed to meet ARB requirements



AB32 Inventory Mandate

- “By January 1, 2008, the state board shall...determine what the statewide greenhouse gas emissions level was in 1990, and approve in a public hearing, a statewide greenhouse gas emissions limit that is equivalent to that level, to be achieved by 2020.”
- Focus is on 1990 statewide emissions level
- Staff will use best available data to determine the 1990 level

Next Steps and Schedule

- Public workshop scheduled May 23
 - Mandatory reporting proposals
 - General reporting protocols overview
 - Sector protocol status update
- Additional workshops and workgroups in summer
- Staff Report & Regulation in October
- Board Hearing in December



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GHG Mandatory Reporting Website
<http://www.arb.ca.gov/cc/ccei/ccei.htm>

