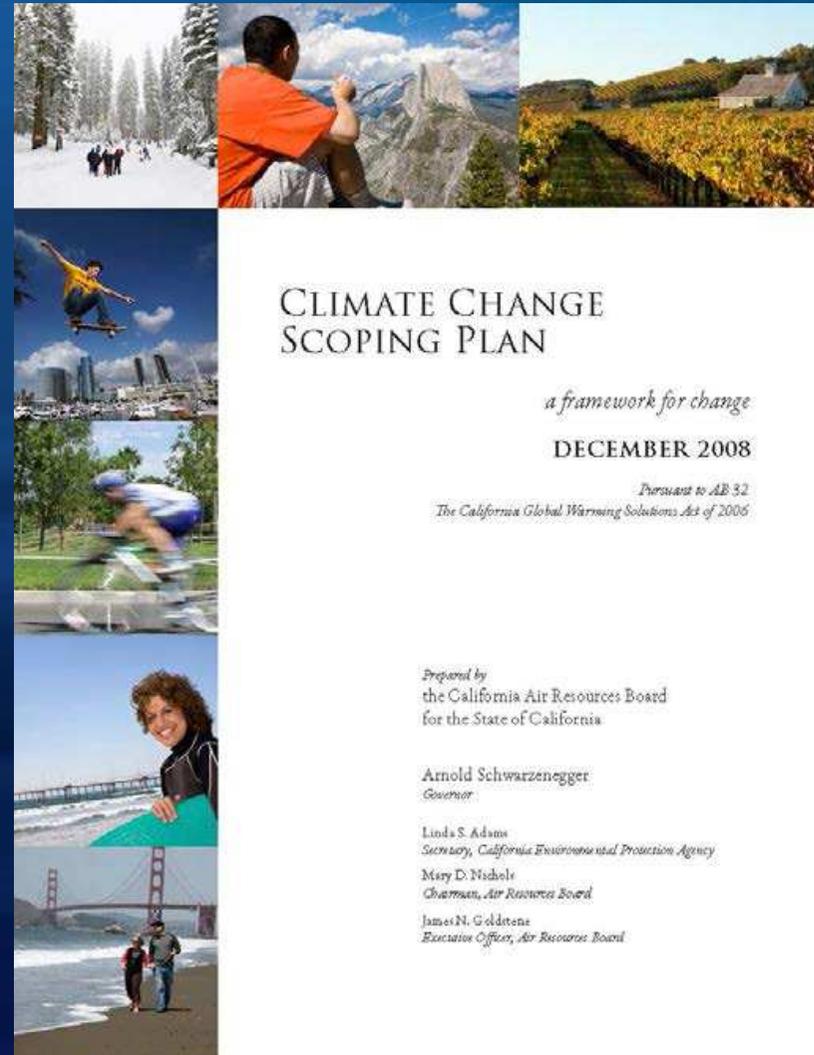


2013 AB 32 Scoping Plan Update

Task Force Staff Summary from June 26, 2013
Workshop

2008 Scoping Plan

- Describes approach California will take to reduce greenhouse gases (GHG) to achieve the goal of reducing emissions to 1990 levels by 2020.
- Must be updated every five years to evaluate the mix of AB 32 policies to ensure that California is on track to achieve the 2020 GHG reduction goal.



2013 Scoping Plan

- Define ARB's climate change priorities for the next five years
- Lay the groundwork to reach post-2020 goals set forth in Executive Orders S-3-05 and B-16-2012.
- Highlight California's progress toward meeting the "near-term" 2020 GHG emission reduction goals
- Evaluate how to align the State's longer-term GHG reduction strategies with other State policy priorities, such as for water, waste, natural resources, clean energy and transportation, and land use.

Elements of 2013 Scoping Plan Update

- Climate science update
- Progress towards 2020 goal
- 2008 Scoping Plan achievements
 - Inventory update
 - Economic update
 - Co-benefits
- Potential targeted near term successes
- Post 2020 goals
 - 2050 goal
 - Interim goal (possibly 2035)
 - Coordination with other plans
 - Critical focus areas
 - Regional overlay

Lead State Agencies

- California Air Resources Board
- California Energy Commission
- California State Water Resources Control Board
- CalRecycle
- California Department of Food and Agriculture
- Other state departments, commissions, and boards involved at a lesser extent

Six Sectors of 2013 Scoping Plan



Water



Energy



Agriculture



Transportation



**Natural
Resources**



Waste



Water

2020 GHG Goal

- 4.8 MMCO₂E GHG Reduction by 2020, which is 6% of the 80 MMCO₂E remaining to meet statewide goal

Strategies

- Recycled water
- Water efficiency
- Stormwater capture/reuse
- RE production in water sector
- Funding

By 2050

Local and low-carbon water supplies | Improve water quality | Increase conservation | Utilization of wastewater for energy



Trans

2020 GHG Goal

- Low Carbon Fuel Standard
- SB375
- Hybrid trucks
- Fuels under cap (Cap and Trade)

Strategies

- Sustainable communities and personal transportation
- Sustainable freight transportation system
- Fuels and energy

By 2050

80% reduction in
transportation-related GHG |
Federal air quality standard |
Increase conservation |
Changes in transportation
system



Energy

By 2050

Near zero net energy buildings
| Low carbon generation |
Localized renewable
generation | Solar and water
to displace natural gas and
electricity

2020 GHG Goal

- Focus on electricity and natural gas systems
- Roughly 40% of Statewide GHG emissions come from electricity and natural gas systems

Strategies

- Renewable Portfolio Standard
 - 12-20%
 - 20-33%
- Energy efficiency and conservation measures



Natural Resources

2020 GHG Goal

- Sustainable Forest Target
- ### Strategies
- Maintain current forest sink
 - Find reductions in forest management, conservation, afforestation, urban forestry, fuels management/biomass

By 2050

Reduce GHG emissions, and maintain and enhance the capacity of natural and working lands to sequester and store carbon



Agriculture

2020 GHG Goal

- No specific goal listed

Strategies

- Crop production
- Animal agriculture
- Other considerations

By 2050

Soil quality and health |
Irrigation and water
conservation | Nitrogen
management



Waste

2020 GHG Goal

- 20-30 MMTCO₂e reduced (AB 341 75% goal)

Strategies

- Take ownership of waste
- Maximize recycling and diversion from landfills
- Build infrastructure for low-carbon system
- Reduce volume of waste generated

By 2050

2035 Net Zero GHG goal |
2050 25% direct emissions
reduction

Staff Comments

- All of the sectors are interrelated
- Scoping Plan should seek to minimize conflicting goals, strive to jointly develop mutual goals
- Energy Sector and Waste Sector (example)
 - **Energy Objective** - Low carbon generation, sustainable bioenergy systems
 - **Waste Objective** – Achieve 75% AB 341 goal, reduce waste
 - *Potential Solution – Conduct lifecycle analysis on technologies to reduce waste and generate energy that produce near or net negative GHG emissions*

Timeline

Kick off Workshop – June 13

Regional Workshops – June 26 - July 30

Stakeholder Comments – Due August 5

Draft Scoping Plan Update Released – Late Summer

ARB Considers for Adoption – November 21-22

For More Information

For more information, please visit the Air Resources Board Scoping Plan Webpage:

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

Sign up for the climate change listserve to receive updates about the 2013 Scoping Plan.

http://www.arb.ca.gov/listserv/listserv_ind.php?listname=cc