



First Update to

The Climate Change Scoping Plan

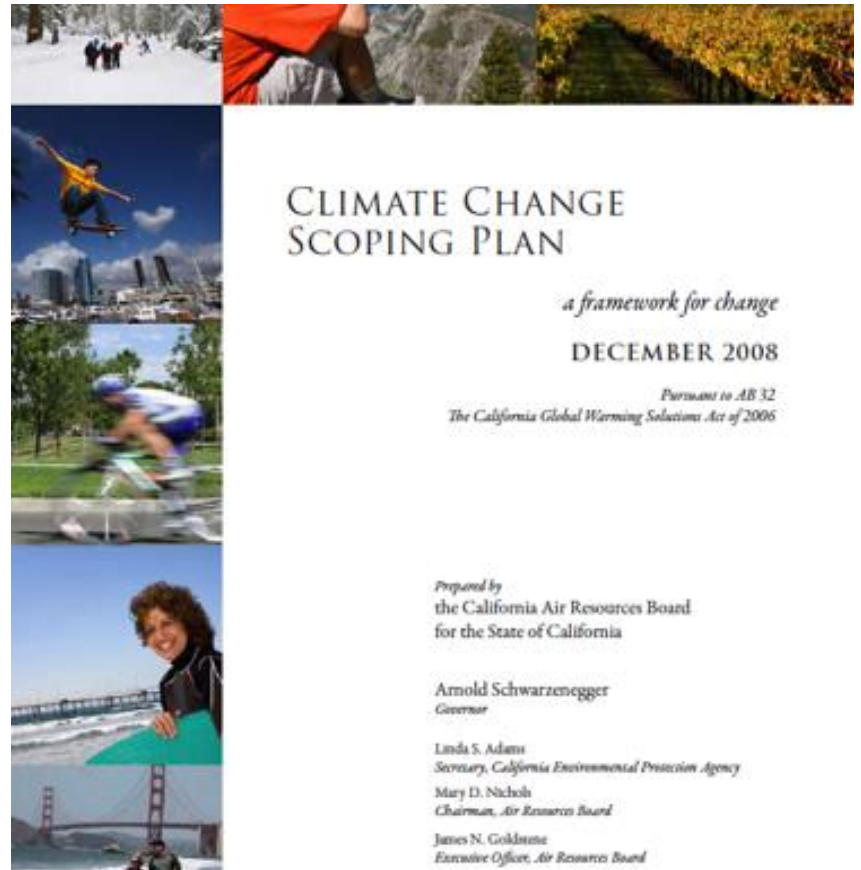
February 20, 2014

California Environmental Protection Agency

 **Air Resources Board**

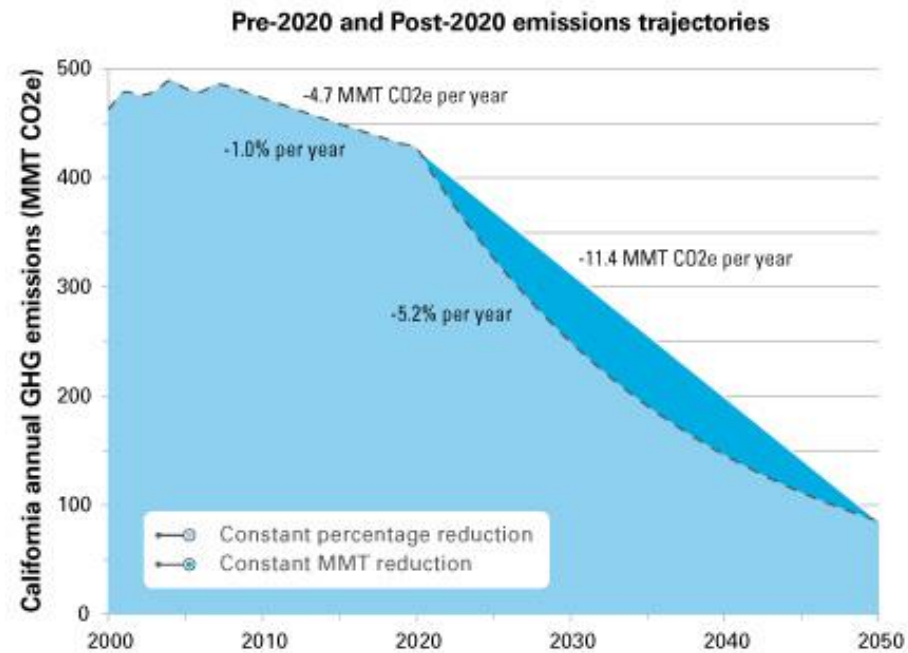
Initial Scoping Plan

- Outlines State's strategy to achieve 2020 GHG limit
- Built on a balanced mix of strategies
- Required by AB 32



AB 32 Scoping Plan Update

- Builds upon successful framework established by initial Scoping Plan
- Shows progress to steadily drive down GHG emissions to 2020 limit
- Describes actions California must undertake to move beyond 2020



AB 32 Scoping Plan Update

Process

- Discussion Draft
 - Released for public comment October 1, 2013
 - Presented at October 24, 2013, Board meeting
- Proposed Update
 - Reflects input from stakeholders
 - Developed in collaboration with agency partners
 - Released for public comment February 10, 2014
- Final Proposed Update for Board consideration in late Spring

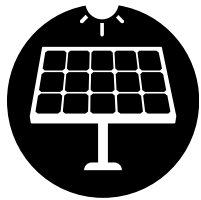
Key Differences Between Discussion Draft and Proposed Update

- Updated and strengthened Climate Science discussion
- Modified sector discussions
 - Added recommendations for Green Buildings and SLCP to emphasize importance
 - Identified more specific deliverables
 - Moved up timing of SLCP strategy to 2015
- More emphasis on need for establishing mid-term statewide GHG emission limit

The Great Unifier

- Climate change is the great unifier
- Presents unprecedented challenges and opportunities
- Provides an opportunity to further integrate climate thinking and sustainable programming
- Pulls together planning and investments
- Allows California to cut emissions and deliver a range of other benefits

Sector Recommendations



Energy



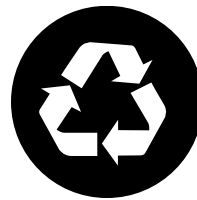
Transportation



Agriculture



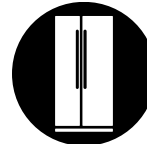
Water



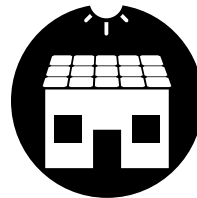
Waste Management



Natural & Working Lands



Short Lived
Climate Pollutants



Green Building

Overarching Recommendations

- Establish statewide mid-term limit as well as sector-specific mid-term targets
- Align strategies to meet air quality and climate change objectives
- Avoid disproportionate impacts to disadvantaged communities
- Plan for zero, near-zero emissions in all sectors
- Continue Cap-and-Trade Program to help meet mid-term and long-term climate goals

Recommendations

Energy



- Develop a comprehensive GHG emission reduction program for energy by 2016
 - Coordinate policies, technologies, and investments to cost-effectively meet mid-term and long-term targets
- Increase energy efficiency, distributed generation/CHP, demand response, and integrated low carbon energy supply

Recommendations

Transportation



- Reduce light-duty and heavy-duty GHG emissions 5 percent per year to continue progress toward near-zero emissions by 2050
- Enhance and strengthen LCFS
- Develop Sustainable Freight Strategy
- Leverage investments to achieve both GHG and air quality goals

Recommendations

Agriculture



- Convene interagency workgroup to:
 - Establish mid-term and long-term planning targets
 - Provide tools and calculators for GHG emission reduction best practices
 - Recommend strategies to reduce GHG emissions associated with energy in agricultural water use
- Interagency dairy digester group to develop recommendations for methane capture standards
- Strengthen technical assistance and associated incentives

Recommendations

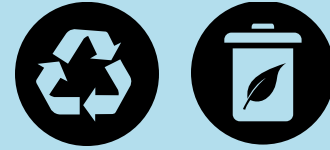
Water



- Convene interagency workgroup to guide adoption of GHG emission reducing policies for water sector investments
 - Include water conservation measures and regulations
- Identify and incent implementation of rate structures that reflect economic, social, and environmental value of water in California
- Develop comprehensive groundwater management strategies

Recommendations

Waste Management



- Develop programs to eliminate disposal of organic waste at landfills
- Explore opportunities for additional methane control and increased utilization of captured methane
- Implement financing or incentive mechanisms for in-State infrastructure development

Recommendations

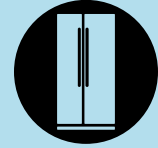
Natural & Working Lands



- Convene interagency workgroup to develop forest carbon plan that establishes quantitative mid-term and long-term planning targets
- Develop coordinated local land use program
- Expand urban forestry, green infrastructure, and investments
- Strengthen, refine, and implement actions for use of forest biomass
- Convene climate investment working group to outline funding needs and priorities for forests, wetlands and rangelands

Recommendations

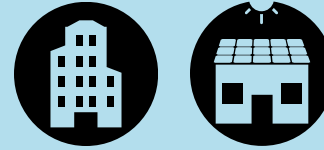
Short-Lived Climate Pollutants



- ARB measures have achieved significant reductions in black carbon
- Current programs reducing HFC emissions
- Efforts underway to achieve further reductions of HFCs and methane emissions
- Develop comprehensive strategy for mitigation of SLCP by 2015

Recommendations

Green Buildings



- Develop a comprehensive program to reduce GHG emissions from buildings by 2017
 - New construction
 - Existing building retrofits
 - Operation and maintenance of existing green buildings

Next Steps

- Mid March — Draft Environmental Analysis (EA) released for public review and comment
- Later April — Written comments on Proposed Update and the draft EA are due
- Late Spring — Written responses to comments received on draft EA posted to website
- Late Spring — Board consideration of final EA, written responses to EA comments, and final Proposed Update

Conclusions

- Climate change will require California to:
 - Continue leading the world in effective strategies toward cleaner, more sustainable economy
 - Continue sharing successful approaches to climate policy
 - Continue building a State that provides low carbon, high quality lifestyles
- Set of actions in Propose Update will:
 - Drove down emissions
 - Spur innovation in clean and advance technology
 - Improve air quality
 - Create more livable communities