

First Update to Climate Change Scoping Plan

Discussion Draft
October 24, 2013

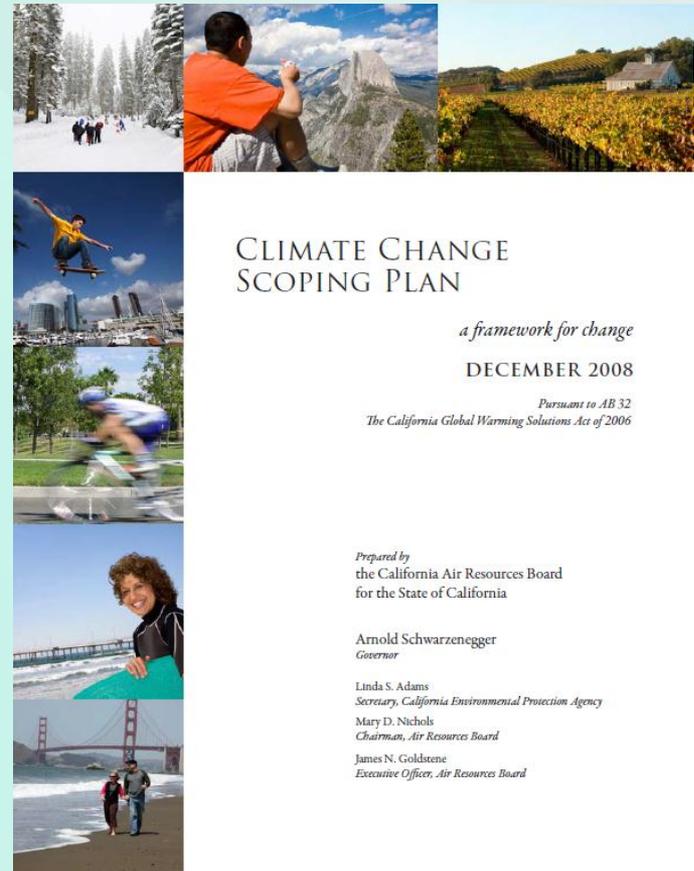


California Environmental Protection Agency

AIR RESOURCES BOARD

Initial Scoping Plan

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



Success of Scoping Plan

- Comprehensive suite of strategies applied to all sectors
- Renewable energy currently accounts for 22 percent of state's electricity
- Global leader in energy efficiency
- Most comprehensive Cap-and-Trade program in world

Success of Scoping Plan (continued)

- Renewable fuels, with the help of the LCFS, displaced more than a billion gallons of gasoline and diesel
- Zero emission vehicle regulation and Governor's Executive Order transforming vehicle fleet
- Major strides in sustainable transportation, land use, and housing planning

AB 32 Scoping Plan Update

- Update shows progress to steadily drive down GHG emissions to 2020 target
- Sets framework to move beyond 2020
- Progress will be through regulations, partnerships, and incentives
- Update is part of Administration's overall climate strategy
 - Environmental Goals and Policy Report
 - Safeguarding California
 - Climate Change Research Plan

AB 32 Scoping Plan Update

Key Questions

- How have we done over past 5 years?
- What is needed to continue to 2020?
- What steps are needed to continue emission reductions and grow our economy beyond 2020?

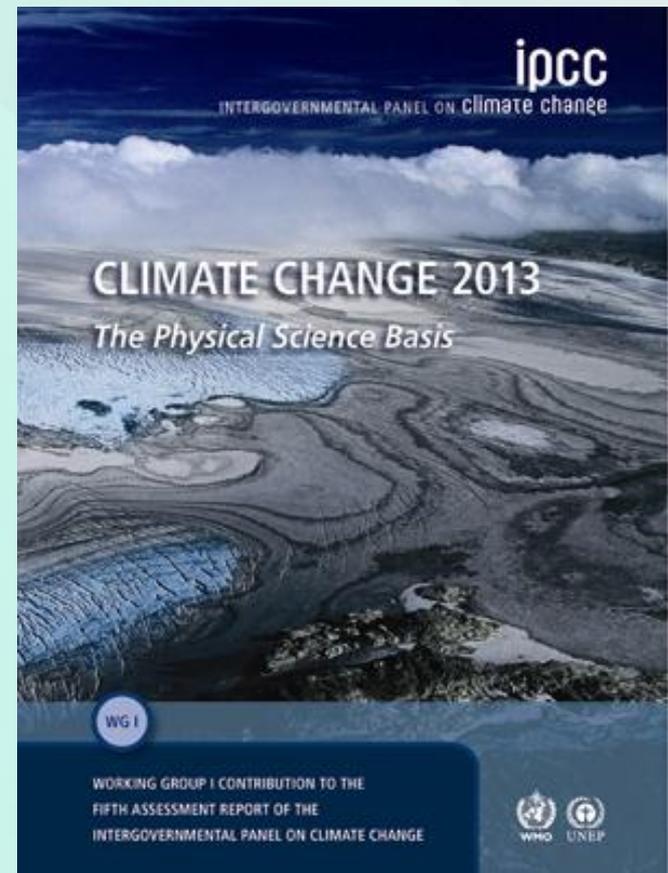
AB 32 Scoping Plan Update

Process

- Process developed in consultation with many stakeholders
 - Climate Action Team
 - Local and regional agencies
 - Business, environmental, EJ, and community based organizations
- Workshops and opportunities for comment on discussion draft

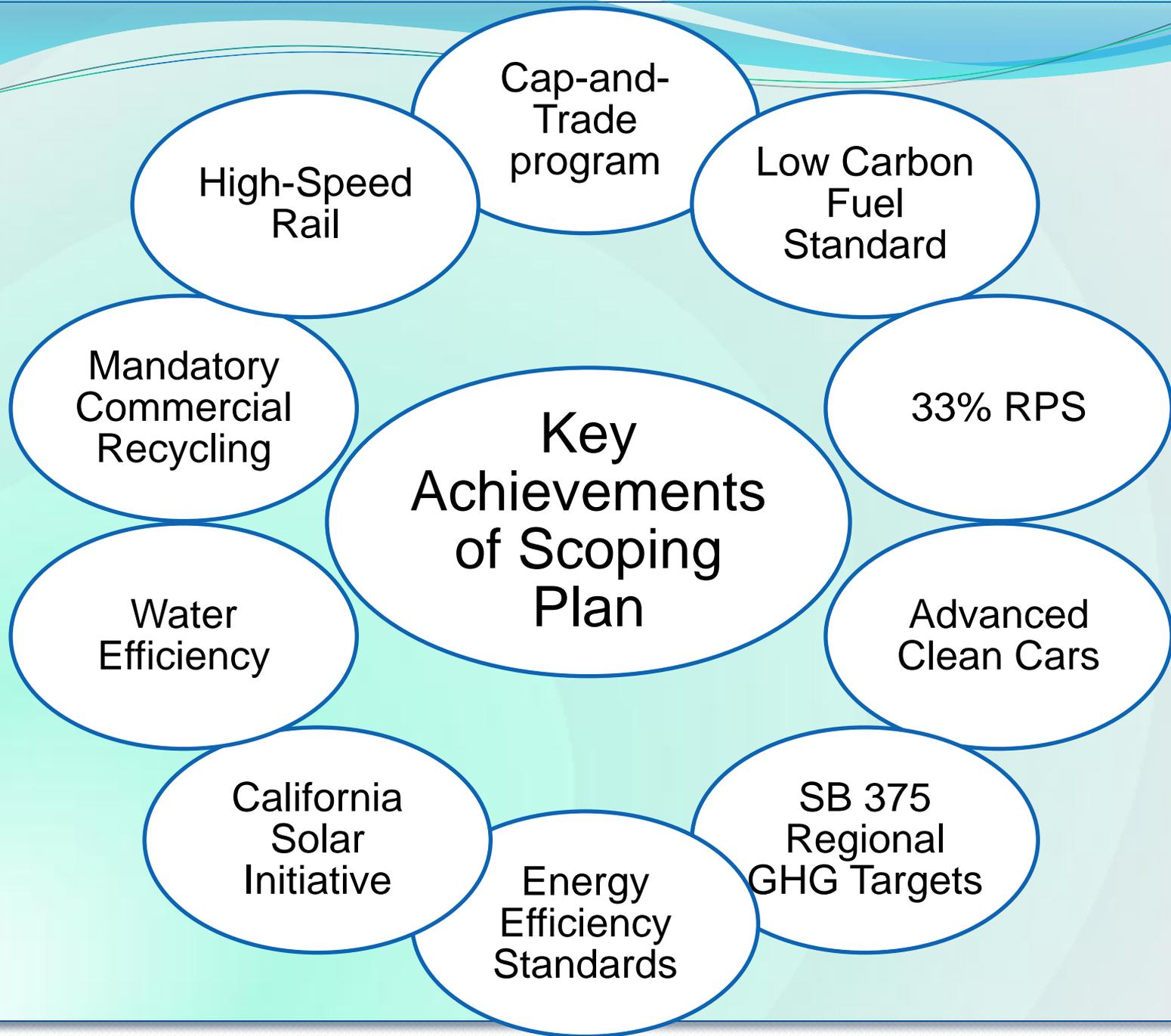
Latest Understanding of Climate Science

- September 2013 IPCC Fifth Assessment Report
- California particularly vulnerable
 - Extreme heat and storms
 - Drought and wildfires
 - Coastal flooding and erosion
- Underscores need to accelerate GHG emission reductions



Short Lived Climate Pollutants (SLCP)

- Atmospheric lifetime of a few days to a few decades
- High global warming potential
- Include black carbon, methane, and HFCs
- SLCP already regulated by ARB
- ARB committed to develop comprehensive SLCP strategy by 2016



Economic Impacts of AB 32

- Net impact of AB 32 small in relation to the \$2 trillion California economy
- Measures underway but still in early stages
- Consultation with economic advisors to guide data collection in preliminary stages
- Develop methodology to assess impacts as program implementation continues
- Continue to engage external economic experts, researchers, and stakeholders

Public Health Impacts of AB 32

- Many Scoping Plan measures have public health benefits
 - Improved air quality
 - Active transportation/physical activity
 - Greener buildings
- Efforts to identify and avoid unintended negative health impacts
- New tools/data needed to help quantify impacts and monitor progress

Environmental Justice

- Environmental Justice Advisory Committee (EJAC)
- EJAC initial recommendations considered during development of Update
- EJAC meeting to discuss draft on 10/22/13



Regional and Local Initiatives

- Locally-driven efforts critical for AB 32 success
- Emissions are being reduced across sectors
 - Improved municipal operations
 - Codes, standards, and general plan improvements
 - Sustainable communities strategies implementation
- ~70 percent of California jurisdictions have or will complete GHG emission reduction programs
- Collaboration with CAPCOA

Continuing Progress Beyond 2020

Need for Midterm Target

- Science supports continued reductions
- California's 2050 goal
- Establishing a 2030 target would:
 - Ensure continued progress toward goal
 - Provide greater levels of market certainty in the near term
 - Frame the next suite of emission reduction measures
- Coordination with Administration, Legislature, stakeholders

Recommendations to Transition Beyond 2020

Six Key Focus Areas

Energy

Water

Transportation

Waste
Management

Agriculture

Natural and
Working Lands

Recommendations - Energy

- Near zero emission energy sources
- Minimize costs
- Maintain reliability

Recommendations - Transportation

- Enable fundamental transition in:
 - How communities develop and expand
 - How people travel
 - How freight is moved
- Transition to electricity and hydrogen as transportation fuels
- Low carbon renewable fuels

Recommendations - Agriculture

- Maintain California's vibrant agricultural economy
- Implement GHG reduction practices
- Sustainable agriculture practices
- Climate adaptation

Recommendations - Water

- Efficient use of water supplies
- Reduce carbon footprint while
 - Meeting needs of a growing population
 - Improving public safety
 - Fostering environmental stewardship

Recommendations - Waste Management

- Comprehensive and sustainable waste management system
- Reduce, recycle, and compost
- Continue to develop infrastructure and markets for reused waste

Recommendations - Natural and Working Lands

- Enhance, protect, and conserve natural and working lands
- Manage and increase carbon storage

Next Steps

- Late November - Revised Update and Environmental Assessment Released
 - EA will be prepared according to requirements of ARB's certified program under CEQA
 - 45-day comment period
- December 12th- Board Hearing
- EA comments due mid-January 2014
- Respond to EA comments and Board consideration Spring 2014

Conclusions

- Climate change represents a serious threat to the health of Californians, our natural resources, and economy
- California is driving down GHG emissions to meet the 2020 goal
- Now is the time to begin developing long-term strategies
- Challenges must be met with bold and creative strategies
- All Californians will play a key role in meeting the long-term climate goals