



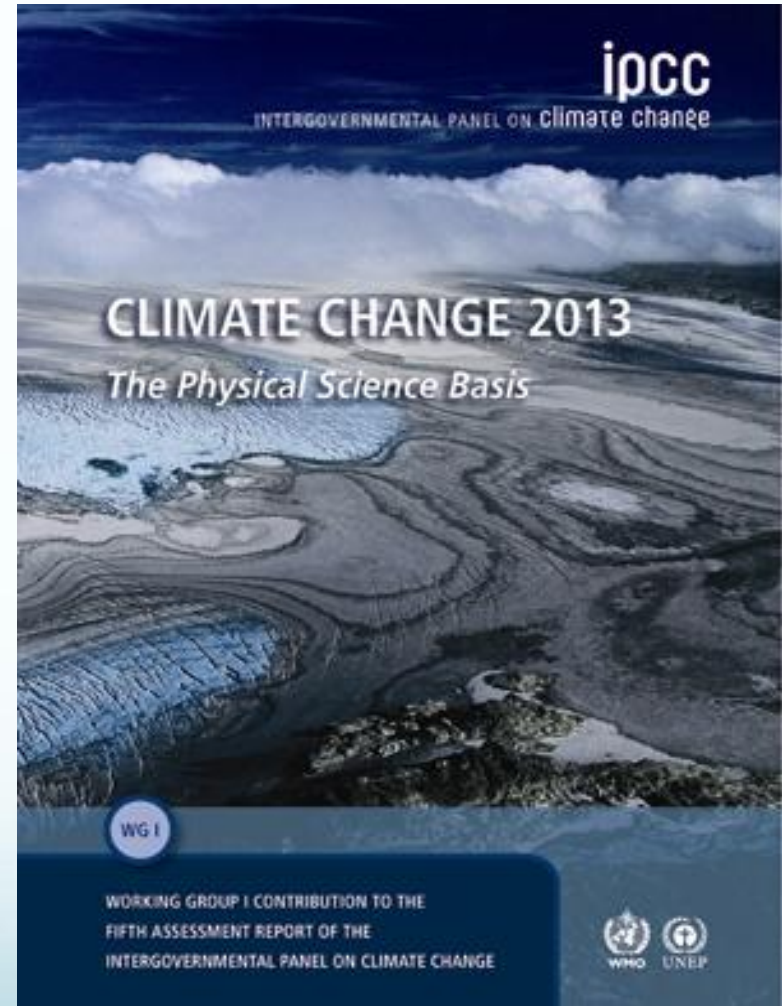
# Control Strategies Symposium *Climate Change*

***June 11, 2015***

***Jack Kitowski***  
***Air Resources Board***

# Climate Science

- September 2013 IPCC Fifth Assessment Report
- California particularly vulnerable
  - Extreme heat and storms
  - Drought and wildfires
  - Coastal flooding and erosion



# Scoping Plan Update

## First Update to the Scoping Plan, May 2014

- California on track to meet 2020 GHG limit
- Science supports continued reductions beyond 2020
- Teed up challenges, opportunities, and key recommended actions across all sectors
- Benefits of 2030 mid-term target

# Governor's Actions

## Inaugural Address, January 2015

- Five key climate strategy pillars

## April 2015, Executive Order B-30-15

- Establishes new interim statewide GHG reduction target of 40% below 1990 levels by 2030
- State agencies to implement measures to meet 2030 and 2050 targets
- Directs ARB to update the Scoping Plan to express 2030 target in MMTCO<sub>2e</sub>

# Governor's Five Pillars

## January 2015 Inaugural Address Climate Change Strategy Pillars

- 1) Increase renewable electricity to 50%
- 2) Double efficiency savings achieved in existing buildings and make heating fuels cleaner
- 3) Reduce petroleum use in cars and trucks by up to 50%
- 4) Reduce release of short-lived climate pollutants
- 5) Manage farms, rangelands, forests, and wetlands to increasingly store carbon

*[www.climatechange.ca.gov](http://www.climatechange.ca.gov)*

# 2030 Target Framing Strategy

- Integrated planning approach
- 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
- Challenges must be met with bold and creative strategies

# Upcoming Major Climate Change Activities

- 2030-Target Scoping Plan Update kick-off , summer 2015
- Post-2020 Cap-and-Trade Program
- Compliance Strategy for 111(d)
- SLCP Strategy, Draft (Fall 2015) and Final (Spring 2016)
- Sustainable Freight Strategy
- Forest Carbon Plan
- SB 375 MPO Sustainable Communities Strategy Updates
- Advanced Clean Cars/ZEV Program Updates
- Incentives (GGRF, AQIP)

# Conclusions

- Addressing climate change requires California to continue to:
  - Lead in effective strategies toward cleaner, more sustainable economy
  - Export successful approaches to climate policy
  - Build a State that provides low carbon, high quality lifestyles
- Synergies with AQMP/SIP control strategies
- Set of near-, mid-, and long-term actions will:
  - Drive down emissions
  - Spur innovation in clean and advanced technology
  - Improve air quality
  - Create more livable communities