

# 2030 Target Scoping Plan

Task Force Staff Summary from October 1, 2015  
Workshop



# Background

- AB 32: California is on track to meet or exceed the current target of reducing GHG emissions to **1990 levels** by **2020**
- Executive Order B-30-15 established GHG reduction target of **40% below 1990 levels** by **2030**
- Executive Order S-3-05 established GHG reduction target of **80% below 1990 levels** by **2050**

# Prior Scoping Plans

- Established new paradigm for climate mitigation
- First economy-wide climate change plan
- Pioneered the concept of a market-based program
- Sector-by-sector approach
- Public outreach and education
- Must be updated at least every 5 years



# CALIFORNIA CLIMATE STRATEGY

*An Integrated Plan for Addressing Climate Change*



## VISION

**Reducing Greenhouse Gas Emissions  
to 40% Below 1990 Levels by 2030**

## GOALS

**50%  
reduction  
in petroleum  
use in vehicles**

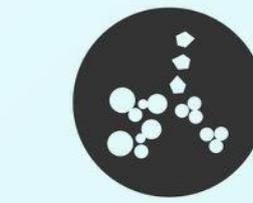


**50%  
renewable  
electricity**



**Double energy  
efficiency savings  
at existing buildings**

**Carbon  
sequestration  
in the land base**



**Reduce  
short-lived  
climate pollutants**

**Safeguard  
California**



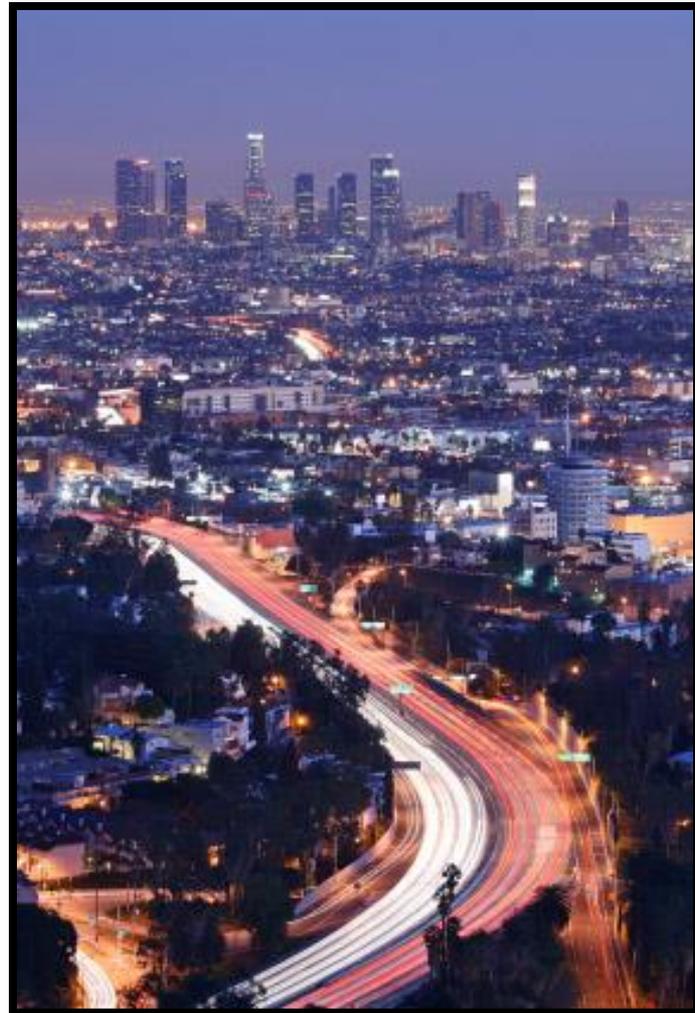
# Electricity

- 20% of GHG emissions statewide are from the electricity sector
- SB 350 increases 33% Renewable Portfolio Standard to 50% Renewable Portfolio Standard



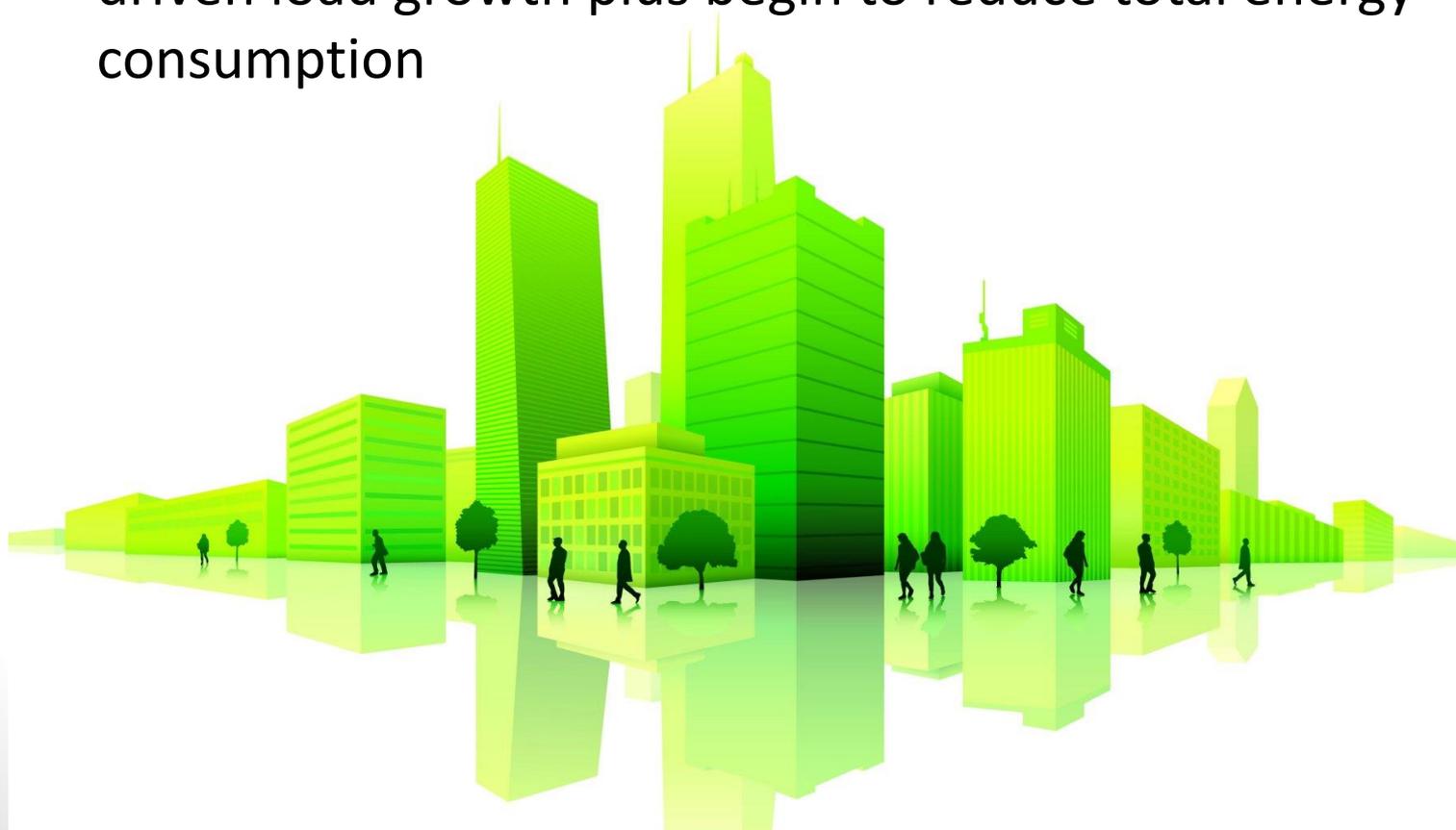
# Transportation and Land Use

- Accounts for 50% of GHG emissions in CA
- Vision for 2030 and 2050
  - Vehicle technology
  - Fuel use
  - Land use
  - Infrastructure



# Energy Efficiency

- Improving existing buildings is critical to 2030 goals
- 2030 goal requires full offset of demographic and economic driven load growth plus begin to reduce total energy consumption



# Energy Efficiency

- Vision for 2030
  - Build upon zero net energy and green building programs
  - Establish goals and a path towards zero carbon buildings
- Vision for 2050
  - Buildings generate zero or near-zero GHG emissions over the course of the year



# Natural & Working Lands

- Carbon storage
- Sustainable public benefits
- Sustainable communities
- Regional economics and quality of life



# Natural & Working Lands

- Vision for 2030 and 2050
  - **Protect** - Minimize Conversion
  - **Enhance** - Carbon Sequestration Potential
  - **Innovate** - Across Sectors
  - **Develop** - Sequestration Targets
  - **Align** - Climate Targets with Co-Benefits



# Short-Lived Climate Pollutants

- ARB developing Short-Lived Climate Pollutant Reduction Strategy
- Recommended action in the 2014 Scoping Plan Update
- Required by Senate Bill 605
- Concept Paper released for public comment in May 2015
- Draft Strategy just released for public comment and to be discussed at workshops in October



# Economic Analysis

- Goal: evaluate the economic impact of options for achieving the 2030 GHG target
- Technology pathways
- Carbon pricing



# Next Steps

- First Board Update – November 19, 2015
- Regional Workshops – Fall 2015
- Technical Workshops – Fall 2015-Mid 2016
- Draft 2030 Target Scoping Plan – Spring 2016
- Final 2030 Target Scoping Plan presented to Board – Fall 2016
  
- Public Comments due **October 16, 2015**
  
- Archived workshop: <http://www.cal-span.org/cgi-bin/archive.php?owner=CARB&date=2015-10-01&player=jwplayer>
- Slides: [http://www.arb.ca.gov/cc/scopingplan/meetings/10\\_1\\_15slides/2015slides.pdf](http://www.arb.ca.gov/cc/scopingplan/meetings/10_1_15slides/2015slides.pdf)