



2017 Scoping Plan Update

The Strategy for Achieving California's 2030 GHG Target



July 13, 2018

Impacts of Climate Change

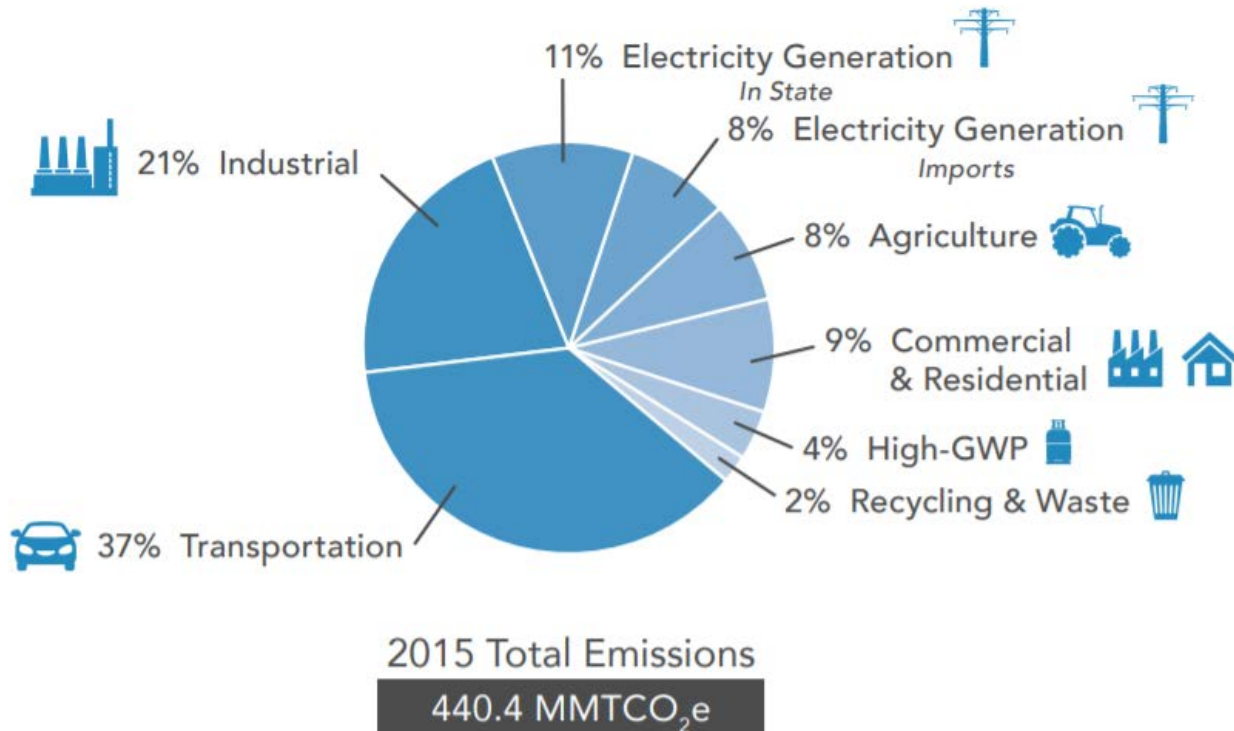


CALIFORNIA
is already experiencing
the impacts of
CLIMATE CHANGE

IN 2015 THE DROUGHT COST THE AGRICULTURE INDUSTRY IN THE CENTRAL VALLEY AN ESTIMATED \$2.7 BILLION & 20,000 JOBS

GHG Emissions Inventory

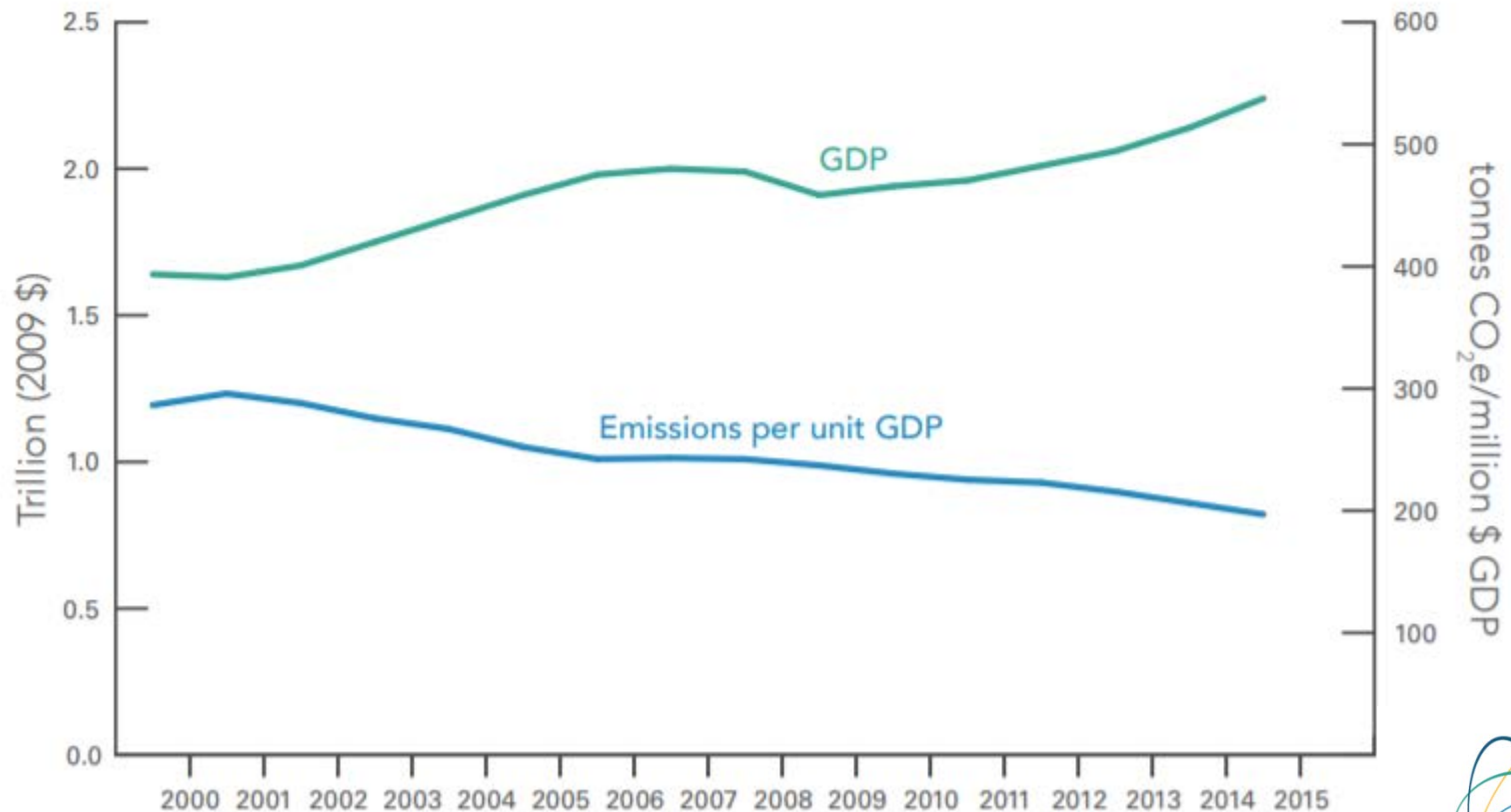
CALIFORNIA CARBON EMISSIONS BY SCOPING PLAN SECTOR



- Natural & working lands are **not** included in the scope of the statewide limit
- ~898 MMT carbon in “live stocks” – forests, grasses, scrub

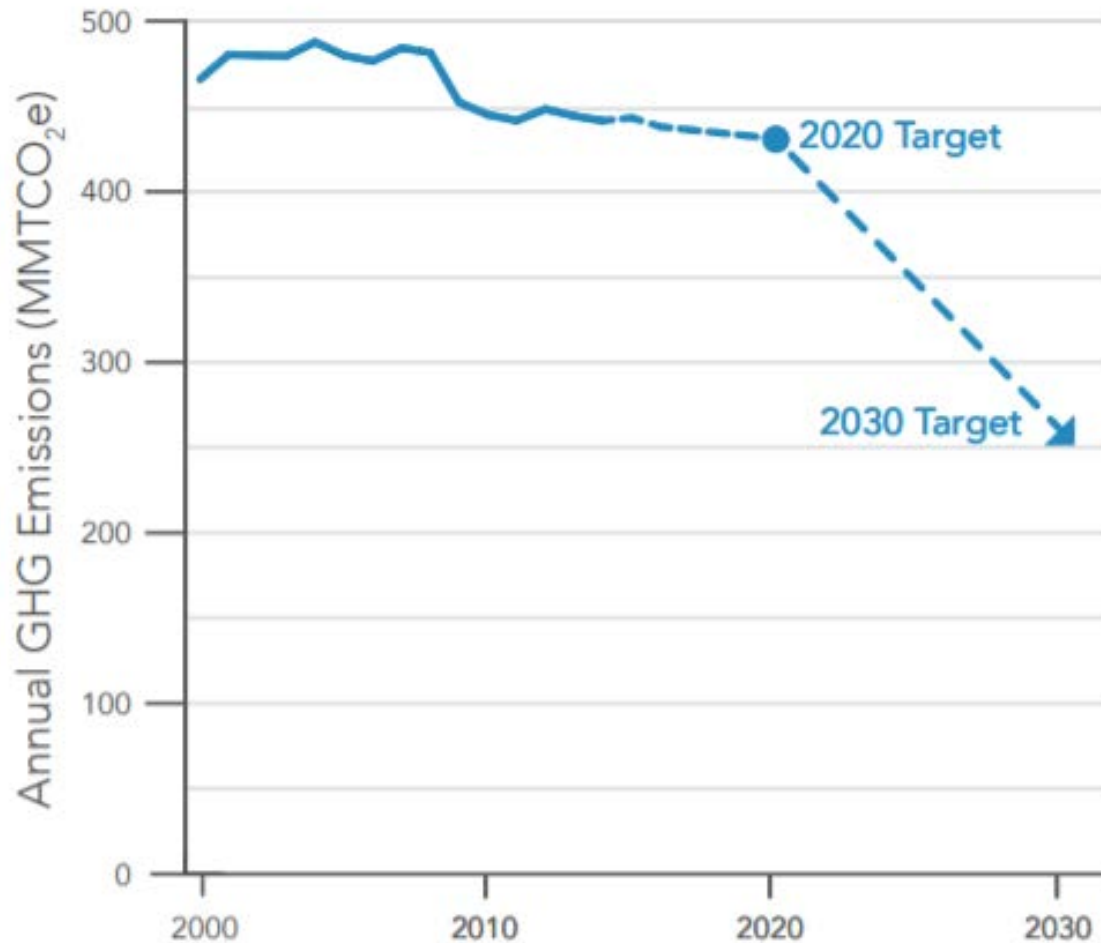
California's Economy is Growing

ENVIRONMENTAL PROGRESS AND A RESILIENT ECONOMY



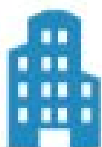
California's GHG Targets

CALIFORNIA'S PATH FORWARD



2017 Scoping Plan

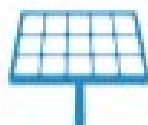
CALIFORNIA'S CLIMATE POLICY PORTFOLIO



Double building efficiency



Cleaner freight and goods movement



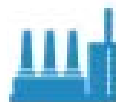
50% renewable power



Slash potent "super-pollutants" from dairies, landfills and refrigerants



More clean, renewable fuels



Cap emissions from transportation, industry, natural gas, and electricity



Cleaner zero or near-zero emission cars, trucks, and buses



Invest in communities to reduce emissions



Walkable/Bikeable communities with transit

Natural and Working Lands (NWL)

- ▣ Natural and working lands play a critical and complementary role in addressing climate change
- ▣ Objectives
 - ▣ Net zero or negative GHG emissions, and
 - ▣ Minimize, where appropriate, net GHG and black carbon emissions
- ▣ Target
 - ▣ Preliminary intervention-based goal for sequestering and avoiding emissions by at least 15-20 MMT CO₂e by 2030 through existing pathways and new incentives
 - ▣ Higher target to be evaluated as part of NWL Implementation Plan development

Key Points

- The Scoping Plan provides an achievable path for reaching the State's 2030 GHG target
- 2030 target is a milestone on the way to achieve greater reductions needed to stave off the catastrophic impacts of climate change
- We need to continue to evaluate and incorporate additional opportunities to reduce GHGs, criteria, and air toxics emissions as they become cost-effective and technologically feasible
- Implementation of the Scoping Plan measures must not disproportionately impact low-income communities
- Continue to monitor, adjust, and enforce existing air quality programs, in addition to implementing AB 617

Scoping Plan Implementation

- Develop and implement measures identified in the Scoping Plan
 - Each measure will be developed through its own focused public process with additional detailed analyses
- Continue to look for additional opportunities to reduce GHGs and criteria and air toxics emissions
- Convene interagency workgroups
- Develop NWL Implementation Plan by 2018
- Implement AB 617 and AB 197 to improve access to air emissions data and improve air quality in the most burdened communities
- Continue process to integrate public health analyses in program development process
- Revisit California Climate Investments guidance to

Implementation of 2017 Scoping Plan

- Low Carbon Fuel Standard Regulation
 - Increased 2030 carbon intensity from 18% in the 2017 Scoping Plan to 20% in the current staff proposal
- SB 350 Integrated Resource Plans
 - Data suggests three largest investor owned utilities will achieve 50% RPS by the end of this decade, 10 years ahead of the SB 350 mandate
- Work continues to identify mechanisms to reduce vehicles mile traveled as modeled in the 2017 Scoping Plan
- Work continues on measures in the Short-lived Climate Pollutant Strategy

Additional Resources

- ▣ California Air Resources Board:
<https://www.arb.ca.gov/homepage.htm>
- ▣ California's Climate Change Scoping Plan:
<https://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>