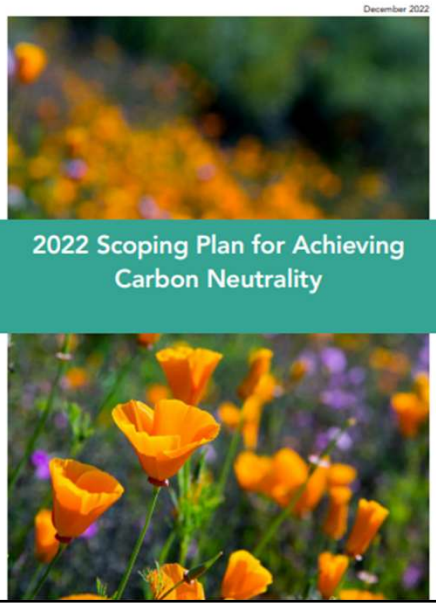
CALIFORNIA AIR RESOURCES BOARD



Scoping Plan Overview

California's Strategy for Achieving Carbon Neutrality

INTEGRATED REGIONAL WATER MANAGEMENT PROGRAM MEETING

SEPTEMBER 3, 2025

1

California's Climate Policy Framework

GHG Targets & Goals

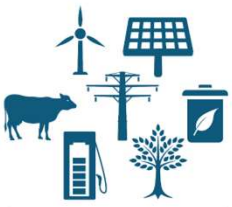
Legislation & Executive Orders: Total GHGs (AB 32/SB 32/AB 1279) or sector targets (SB 1383/SB 100), etc.

Scoping Plan

Actionable plan across all sectors

Action

Regulations & Incentives: Advanced Clean Cars, climate change investments, etc.

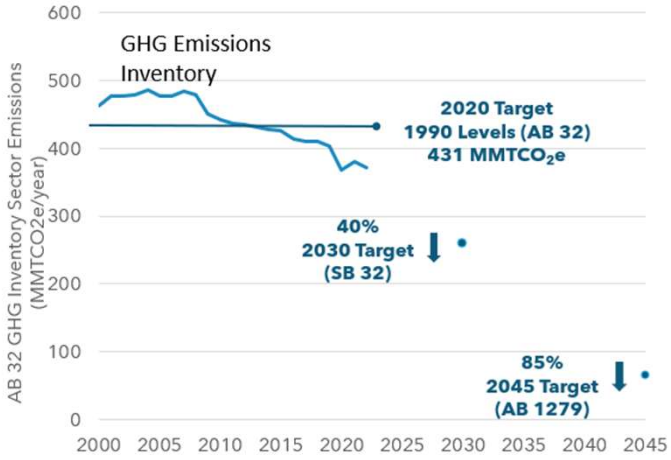


Projects

Examples: Zero-emission trucks, energy infrastructure and renewables, compost facilities, digesters, etc.

2

Legislative Greenhouse Gas (GHG) Reduction Targets
Achieved Assembly Bill (AB) 32 Target in 2014



ACHIEVING
CARBON
NEUTRALITY
BY **2045**

GHGs included in statute: Carbon dioxide (CO_2), Methane (CH_4), Nitrous oxide (N_2O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulfur hexafluoride (SF_6), Nitrogen trifluoride (NF_3)

4

3

Ambitious Action Delivers Huge Benefits

Unprecedented Deployment of Clean Technology and Nature-Based Climate Solutions

- 37x total on-road ZEVs
- 6x electric appliances in residences
- 1700x hydrogen supply
- 4x installed wind/solar generation capacity
- > 2.5 Million acres of NWL climate action per year

Significant GHG Reductions

- 94% decrease in liquid petroleum fuel demand
- 91% decrease in fossil gas used in buildings
- 66% decrease in methane emissions from agriculture
- 10% reduction in wildfire emissions

In 2045 relative to 2022

4

2022 Scoping Plan Update
A Plan for Science-Driven Climate Action

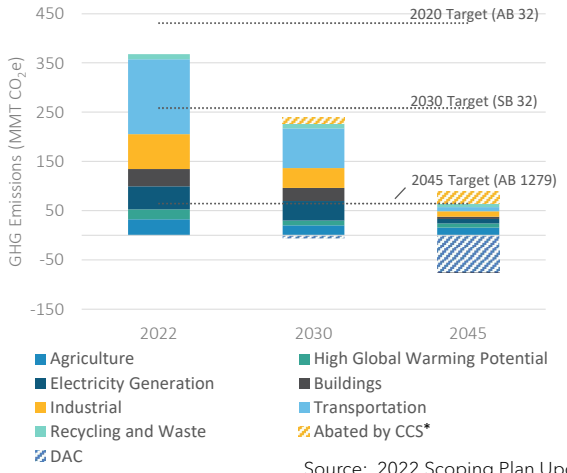
2030: 48% reduction below 1990

- Increased ambition from SB 32 40% target
- SP scenario incorporates 20 $MMTCO_2e$ of mechanical carbon dioxide removal (CCUS/DAC*) in 2030
- 462x increase in renewable hydrogen

2045: 85% reduction below 1990

- Need CCUS and carbon dioxide removal to compensate for residual emissions to achieve carbon neutrality

*CCUS: carbon capture, utilization, and storage; DAC: direct air capture; CCS: carbon capture and sequestration

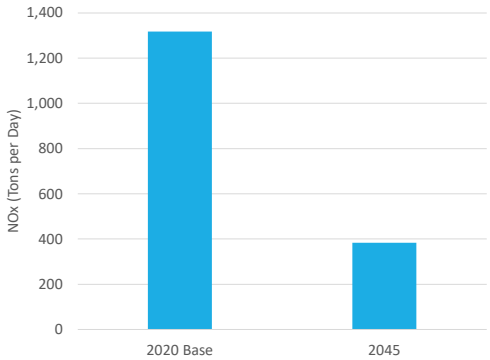


Source: 2022 Scoping Plan Update

5

Fossil Fuel Combustion Reduction Will Bring Air Quality Benefits

71% reduction in air pollution



$200 Billion in health cost savings from decreased fuel combustion

-$200 Billion In 2045

Source: 2022 Scoping Plan Update

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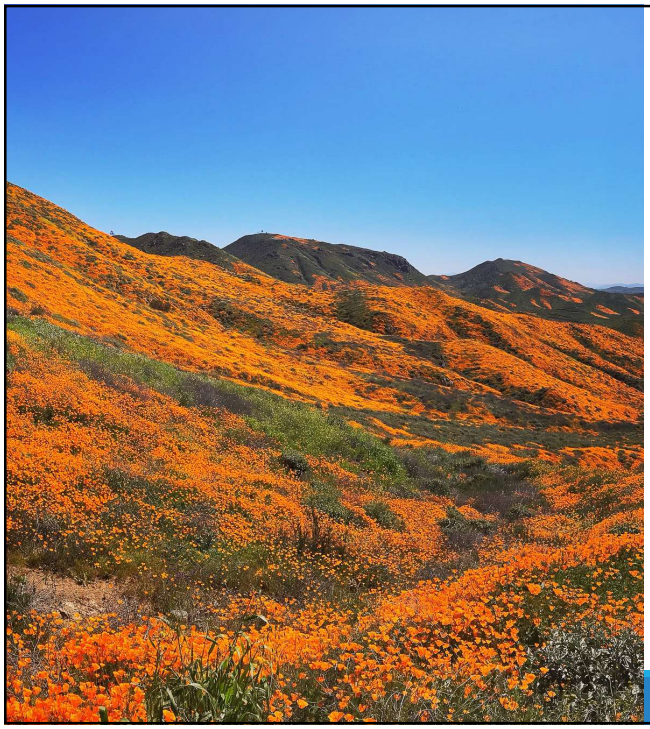

Thank You

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