

California Carbon Capture, Removal, Utilization, and Storage Program (SB 905, Caballero)

ENVIRONMENTAL JUSTICE ADVISORY COMMITTEE
AUGUST 31, 2026



SB 905 Key State Implementation Agencies

- SB 905 lays out specific direction for several state agencies to ensure coordinated implementation and oversight for safe, effective, and viable carbon dioxide projects.



- CARB is a State-level regulatory agency that leads California's fight against air pollution and climate change
- Protects public health, and promotes environmental justice, social equity, & sustainable communities
- Promotes clean, energy-efficient fuels and technology



Tackling Air Pollution

FEDERAL



US EPA

Sets & enforces national air quality standards.
Regulates interstate transportation.



Trains



Planes



Ships

STATE



CALIFORNIA AIR RESOURCES BOARD

Regulates mobile sources of air pollution,
greenhouse gases & consumer products.



Cars



Trucks



Buses

LOCAL



Local Air Districts

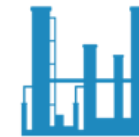
Regulates stationary & local
sources of air pollution.



Fireplaces



Factories



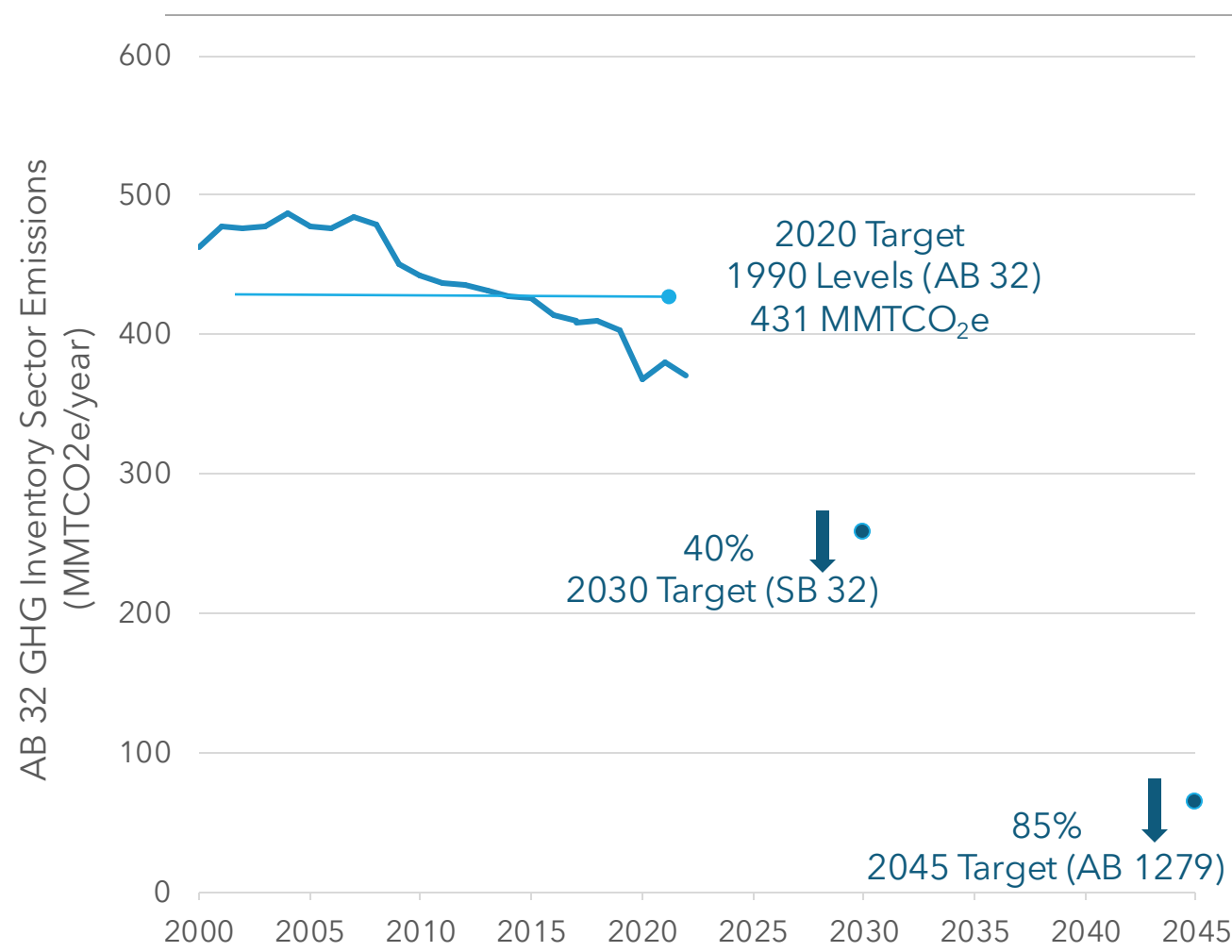
Refineries



Power plants

Greenhouse Gas (GHG) Emissions Reduction Targets

Achieved AB 32 Target in 2014 – Portfolio of Policies



ACHIEVING
CARBON
NEUTRALITY
BY **2045**

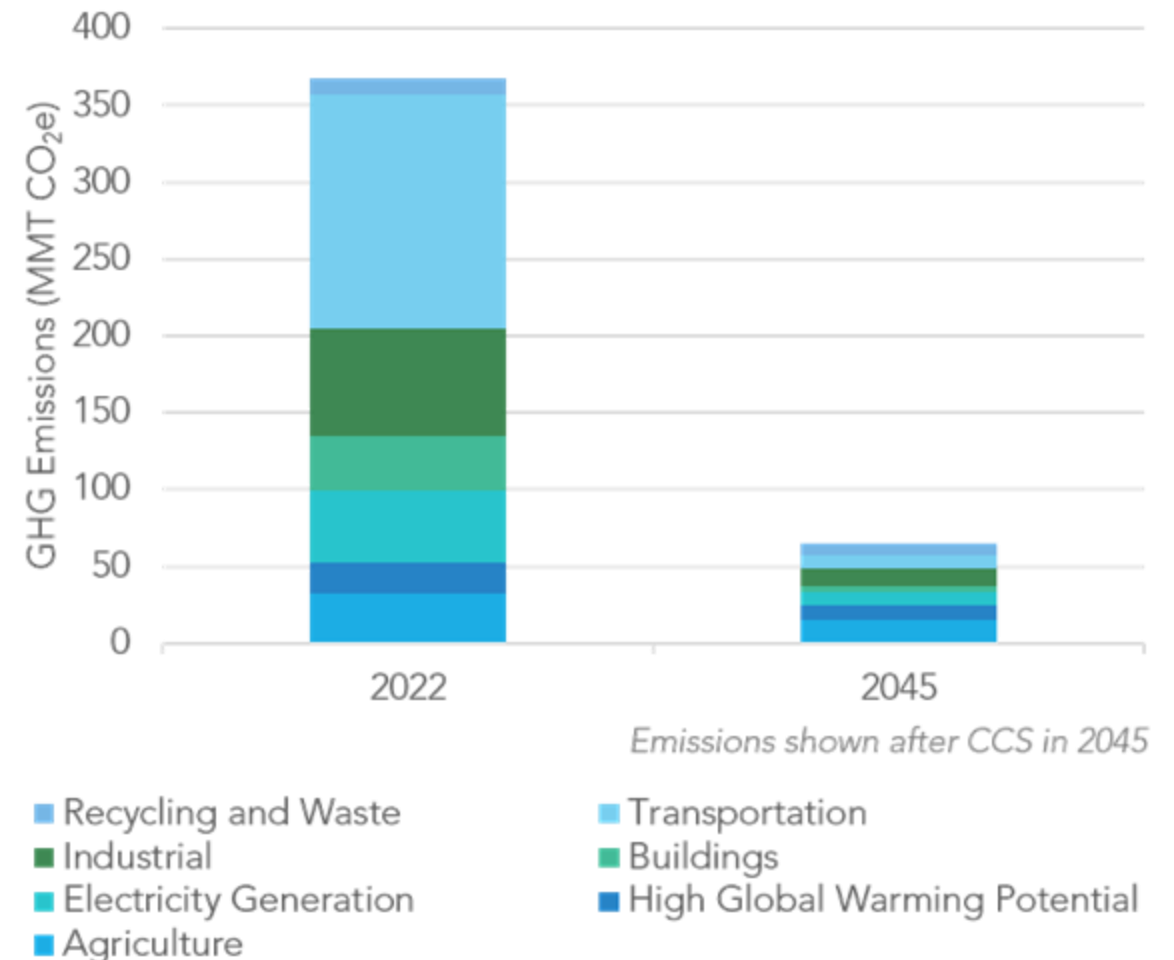
GHGs included in statute: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF₆), nitrogen trifluoride (NF₃).

Anthropogenic GHGs

Target 2045: 85% Reduction Below 1990

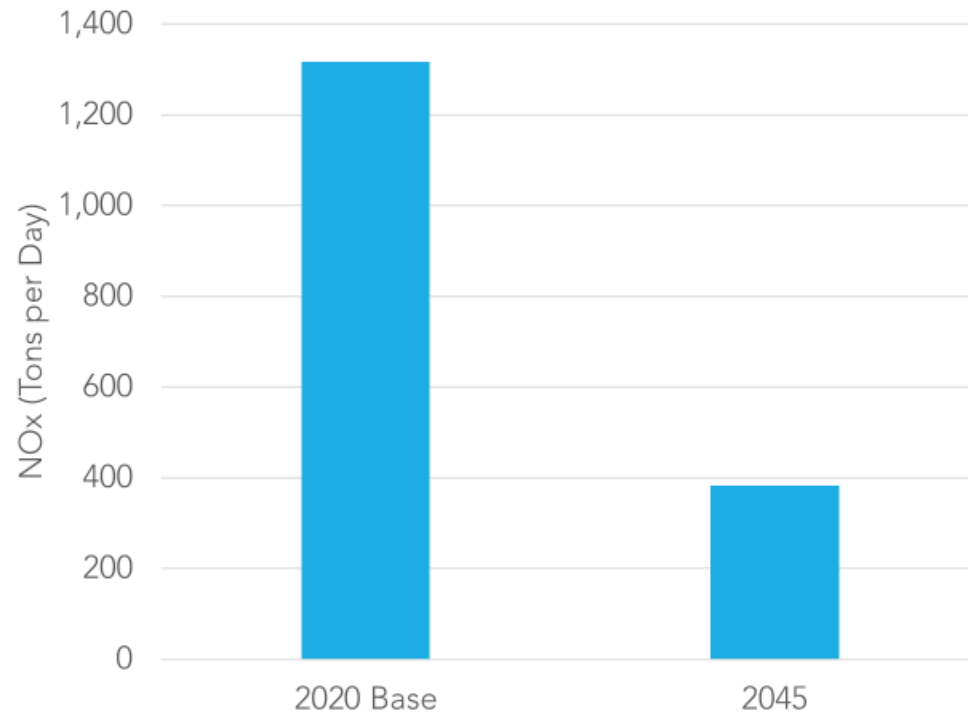
Unprecedented Deployment of Clean Technology, Energy, and Nature-Based Climate Solutions

- Over 30x as many ZEVs on the road in 2045 relative to 2022
- 4x installed wind/solar generation
- Over 85% reduction in total fossil fuel use
- > 2.5 Million acres of NWL climate action per year

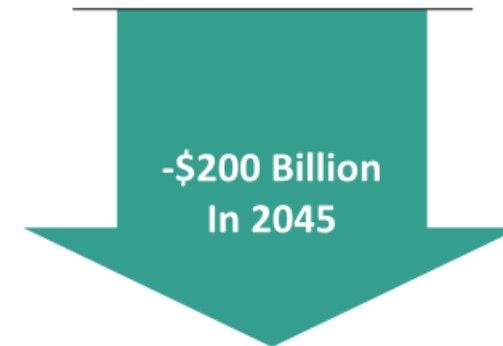


Fossil Fuel Combustion Reduction Will Bring Air Quality Benefits

71% reduction in air pollution

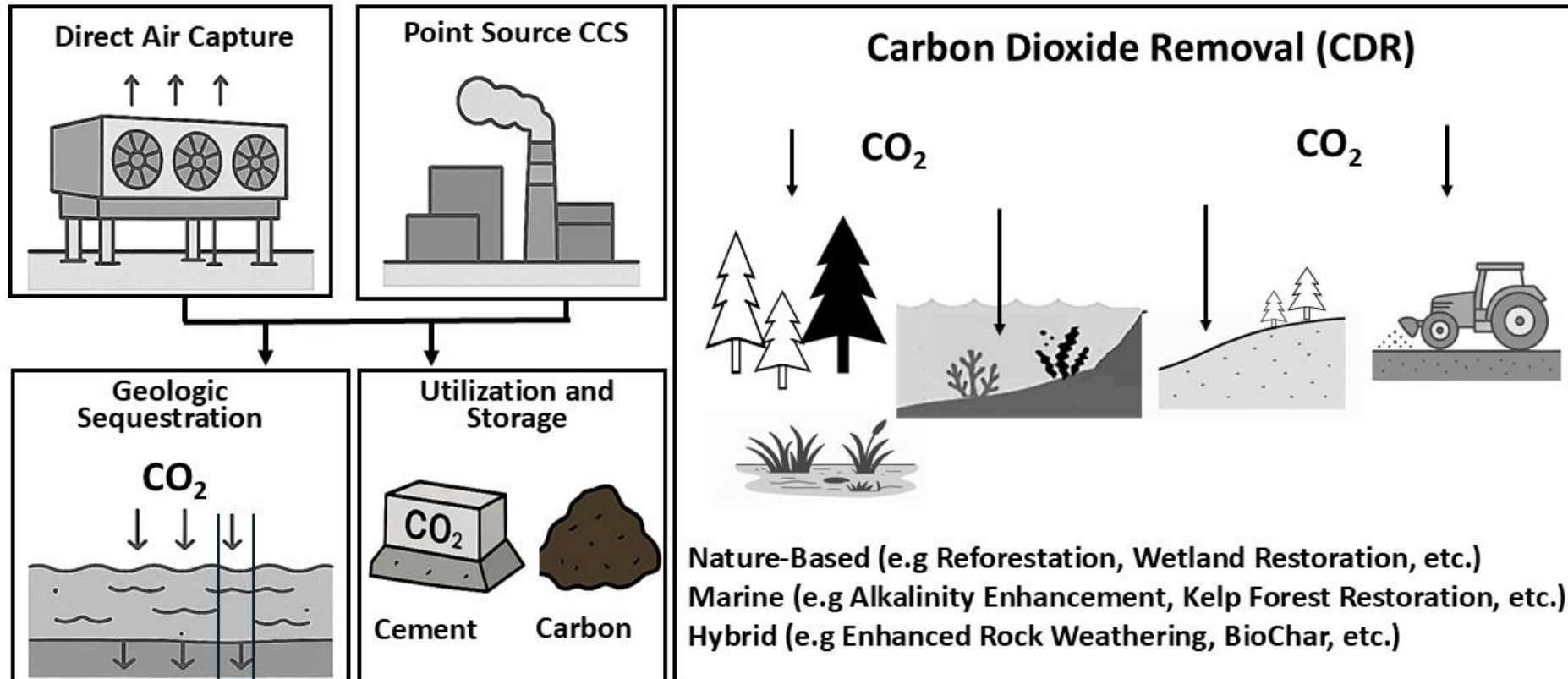


\$200 Billion in health cost savings from decreased fuel combustion



Source: 2022 Scoping Plan Update

CCUS and CDR Examples



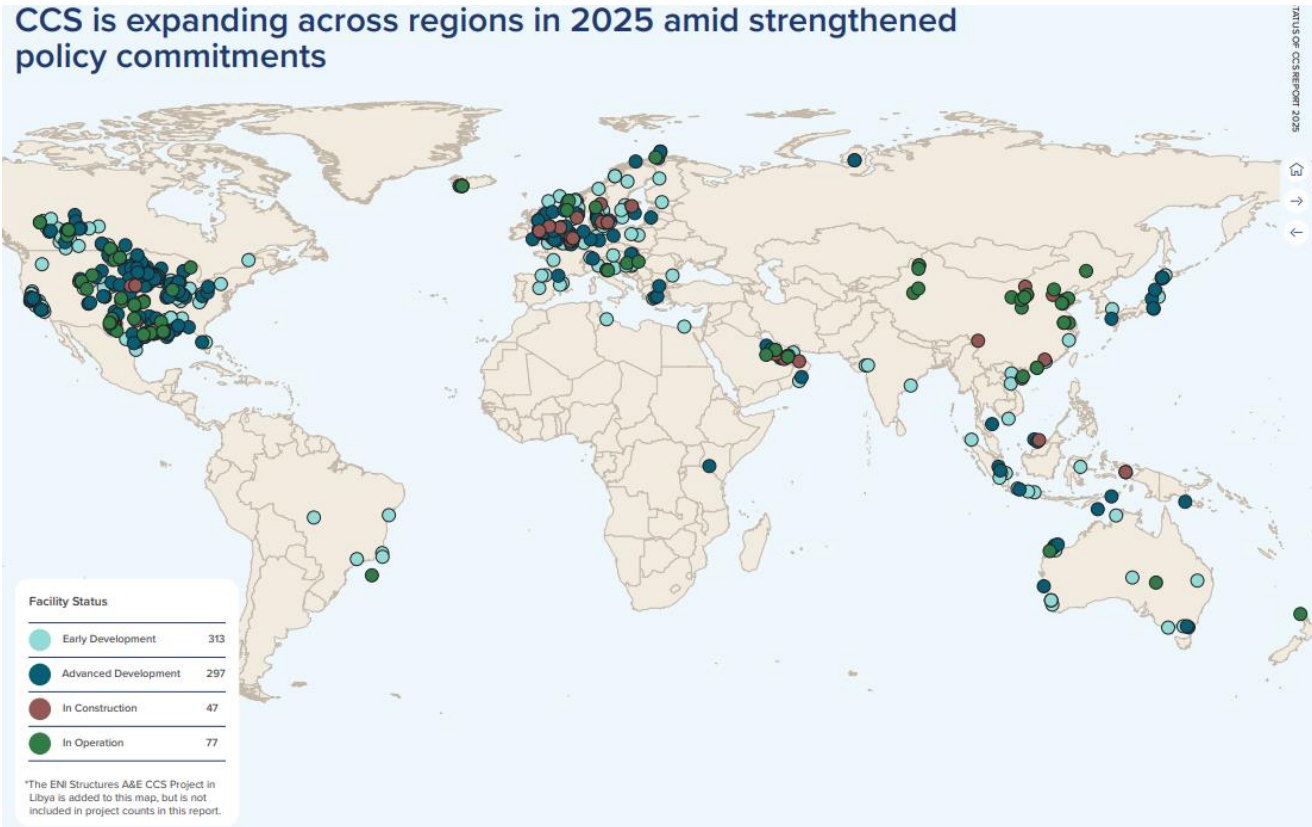
Carbon, capture, utilization and sequestration (CCUS) to prevent emissions into the air

Carbon dioxide removal (CDR) to remove emissions that are in the air

Source: [Carbon Dioxide Removal Technology - NEG8 Carbon](#)

Not just California and Not New Science

CCS is expanding across regions in 2025 amid strengthened policy commitments



- 77 Operational Carbon Capture and Storage (CCS) projects in 2025
- Another 47 under construction
- First projects go back over 40 years
- European Union, UK, Canada, Australia, China, Japan, Saudi Arabia, UAE, Qatar, Oman, and other nations have CCS supportive policies

Source: [Global Status of CCS](#) | [Global CCS Institute](#)

Key Principles for CARB Implementation of SB 905

- Support deployment of CCUS/CDR
- Support the efficacy, safety, and viability of projects
- Complement existing federal, state, and local permitting requirements and avoid creating duplicative requirements
- Increase public transparency on projects
- Implement all direction in SB 905
- Support alignment and integration with existing programs

SB 905 Regulations for Safe, Effective, and Viable CCUS/CDR Deployment

- Staff are identifying gaps in regulatory coverage
- Preliminary areas of focus for SB 905 rulemaking efforts:
 - Environmental and Seismic Monitoring and Mitigation*
 - Emergency and Remedial Response
 - Financial Responsibility*
 - Public Disclosure*
 - CCUS and CDR Project Protocols and alignment/integration with other climate programs*
 - Intrastate Pipeline safety
 - Underground space governing agreements

* Within scope of CARB regulation

Next Steps

- (First public workshop 2023)
- SB 905 Listening Sessions **thru early September**
- Engagement with the Environmental Justice Advisory Committee **Aug/Sept 2026**
- Release of Proposed Rulemaking – **Fall 2026**
- Board Consideration of Rulemaking – **End of 2026**