

# Carbon Neutrality – Role of Natural and Working Lands

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MAY 17, 2019



# Agenda

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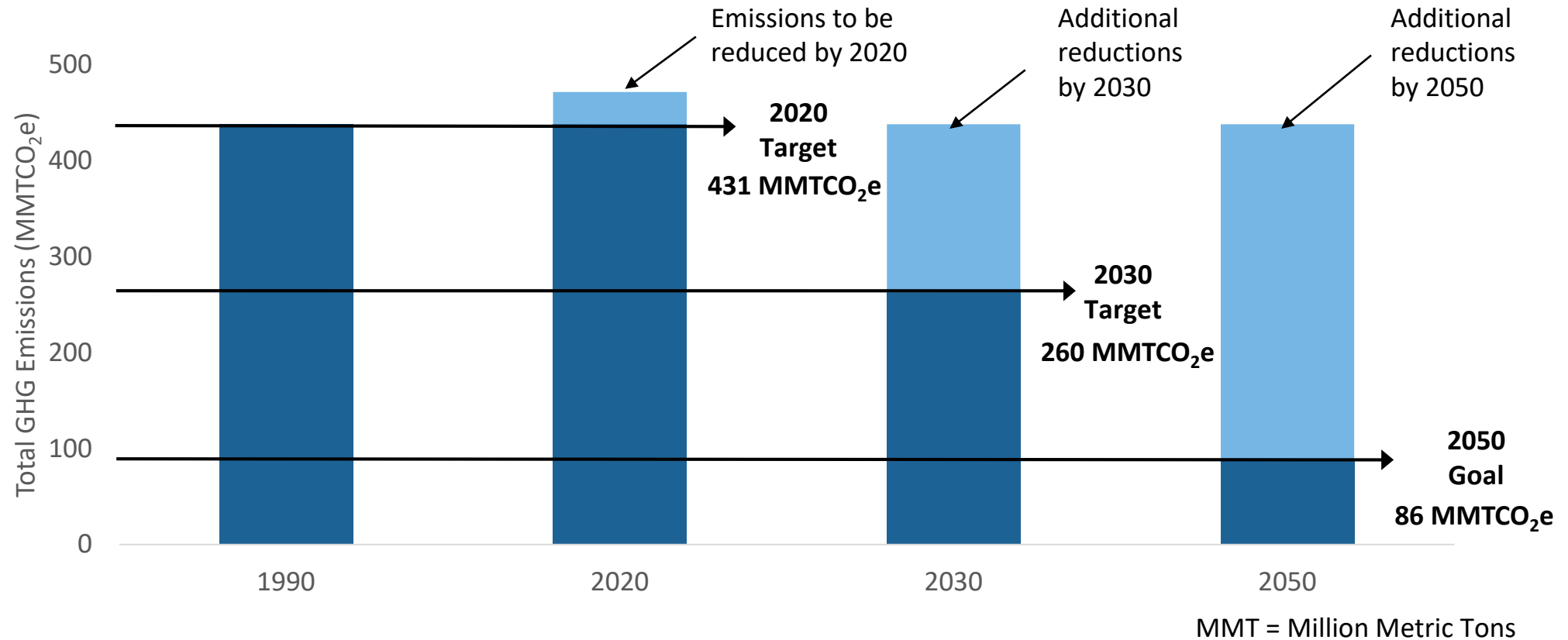
- Welcome and Overview
- Background on Climate Goals and Meeting Objectives
- Plenary: Innovative Approaches to Increase Pace and Scale of NWL Actions to Meet California's Climate Goals
- Breakout Sessions
- Summary and Discussion

Webcast link: <https://video.calepa.ca.gov/>

Online participants: email comments to [nwl@arb.ca.gov](mailto:nwl@arb.ca.gov)

Meeting Materials: <https://arb.ca.gov/cc/natandworkinglands/natandworkinglands.htm>

# California's GHG Emissions Reduction Targets



Source: CARB, 2018

# Framing the Path Forward

IPCC Report – Carbon neutrality by 2045 may hold global warming to 1.5°C



Some regions are net emitters; others are sinks



Carbon Neutrality by 2045



Reduce fossil energy and NWL emissions; evaluate potential sinks

# California Carbon Neutrality (CO<sub>2</sub>e)

Today



AB 32 GHG Inventory



Conversion

Natural & Working  
Lands Inventory

Minimize emissions

Transition from source to sink

Mid-century

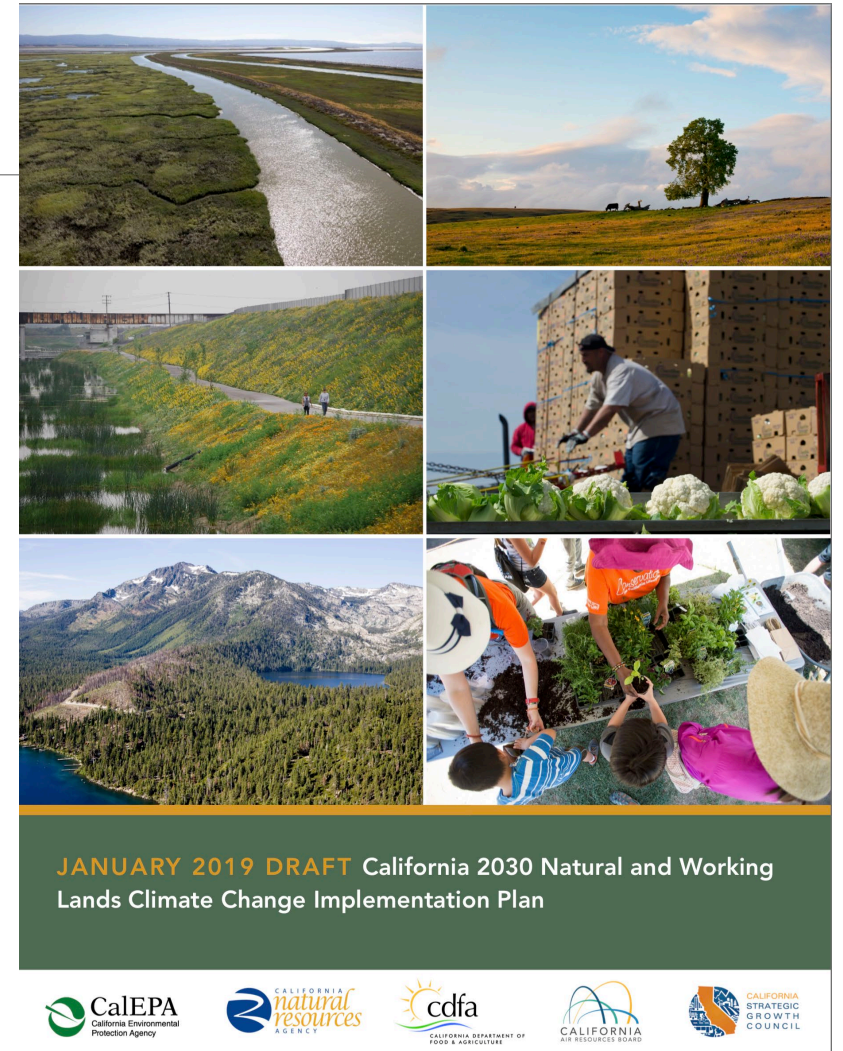


Both categories emit GHGs

No net GHG emissions

# Natural and Working Lands

- Draft Natural and Working Lands Climate Change Implementation Plan
  - State investment in land conservation, restoration, and management activities
- Continue to refine and improve technical information
  - Inventory and quantitative goals
- Expand scope and consider other mechanisms for driving additional actions



# Objectives for Today

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- Hear about innovative approaches and ideas for increasing the pace and scale of activities on natural and working lands to maximize climate benefits while ensuring healthy resilient ecosystems
- Gather ideas and information through an open discussion to scope out potential pathways addressing the sectors contribution towards carbon neutrality:
  - Policies, programs, and measures
    - Voluntary, market-based, command and control
  - Supply and Demand Strategies
  - Cross-sector integration
  - Other innovative ideas
  - Opportunities and challenges

# Role of Natural and Working Lands – Key Questions

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- Are there new tools, policies, financing instruments, and/or other mechanisms that can be employed to increase the pace and scale of activities on our NWL that will maximize climate benefits while ensuring healthy resilient ecosystems?
- What approaches have been tested and what are the lessons learned? What would be necessary moving forward to accelerate and expand these approaches?
- What are key interactions between sectors that should be assessed? Where are the biggest win-win opportunities and where might sector objectives conflict?



# Resources

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- [Carbon neutrality webinar](#)
- [ARB, 2017: California's 2017 Climate Change Scoping Plan](#)
- [IPCC, 2018: Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty](#)
- [USGCRP, 2018: Impacts, Risks, and Adaptation in the United States: Fourth National Climate Assessment, Volume II](#)