



Listening Session: Next Steps on AB 1757
Tracking and Assessing the Effects of Land
Management on California's Landscapes

21 Feb 2025

Agenda

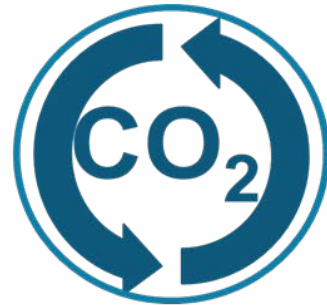
- Introductory comments by State leaders
 - Matt Botill, Industrial Strategies Division Chief, CARB
 - Amanda Hansen, Deputy Secretary for Climate Change, CNRA
 - Virginia Jameson, Deputy Secretary for Climate and Working Lands, CDFA
- State presentation on land management tracking [CARB staff]
- Public comment and feedback

California's Path to Carbon Neutrality



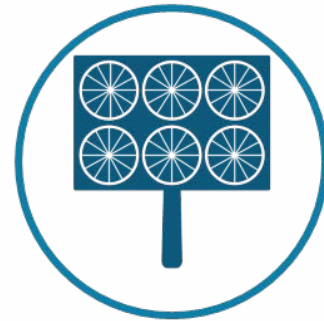
Industrial
Fossil Fuels
Dairies
Landfills

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Natural and Working Lands

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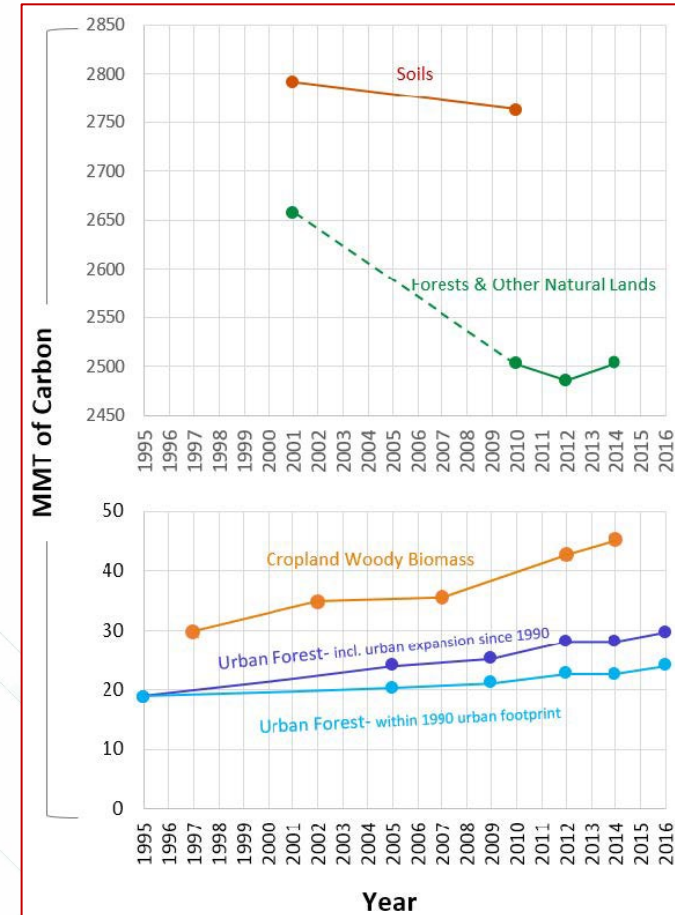
Other Carbon Removal

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Carbon
Neutral

Tracking GHG Emissions, Carbon Storage, and other Benefits of Land Management

Quantifying NWL contribution to carbon neutrality requires that CARB consider the effects of land management activities on ecosystem carbon stores.



California's Nature-Based Solutions Climate Targets

Origin & Purpose

Assembly Bill 1757 [2022] required California to set Nature-Based Solution Climate Targets to support state goals aimed at achieving carbon neutrality, accelerating climate adaptation, and building resilience to future climate risks.

The NBS Climate Targets set specific, quantitative goals for **increasing the health and resilience** of our lands; thus, supporting the ability of natural and working lands to serve as **durable carbon stores**.

California's Nature-Based Solutions Climate Targets

Examples: Wildfire Risk Reduction & Forests

Nature-Based Solutions

Wildfire Risk Reduction

Beneficial Fire

Other fuel reduction (thinning, mechanical, etc.)

Forest Health and Resilience

Afforestation (adding trees)

Conservation

Restoration

Working Forest Conservation

Percentage targets

Low-moderate severity as % of burned area

Decrease illegal conversion and forest degradation

2045 Target

(acres/year)

1.5M

1 M

(acres/year)

52.9K

55.1K

322.1K

165.2K

(percentage)

90%

90%



California's Nature-Based Solutions Climate Targets

Example: Croplands

AB 1757 Nature-Based Solutions

2045 Target

Acreage targets

(acres/year)

Healthy soils practices

190K

Conservation

19.5K

Percentage targets

(percentage)

Convert systems from conventional to organic

20%



Want more information?

1. Search for "California nature based solutions"
2. Click on: "Expanding Nature-Based Solutions..."

California's Nature-Based Solutions Climate Targets

Specifics

Assembly Bill 1757 further requires that...

- CARB 'develop standard methods for state agencies to consistently track greenhouse gas emissions and reductions, carbon sequestration, and, where feasible and in consultation with the CNRA and CDFA, additional benefits from natural and working lands over time'.
- CNRA report California's 'progress made in achieving these targets' AND 'on state expenditures made to implement these targets'.

Complementary Legislative Requirements



Senate Bill 901 [2018] requires... that CARB submit a 'report that assesses greenhouse gas emissions associated with wildfire and forest management activities'.

Also...

- AB 1492 [2012]
- AB 203 [2021]
- SB 496 [2021] ...and more

Data Needs

- Data on land management activities is essential to quantifying benefits and progress.
- State data needs would include [for example]:
 1. **What management activity is happening?**
 2. **Where is the management activity happening?**
 3. **When is it happening?**
 4. **What happened to the vegetation?**
 5. **What funding did the State contribute?**

Existing Tracking Efforts

- Inter-Agency Forest Treatment Tracking System [ITS]
- CAL FIRE Management Activity Project Planning & Event Reporter [CalMAPPER]
- CA Nature
- Prescribed Fire Information Reporting System [PFIRS]
- California Timber Regulation and Environmental Evaluation System [CaLTREES]
- California Climate Investments Reporting and Tracking System [CCIRTS]
- California Protected Areas Database [CPAD]
- California Conservation Easement Database [CCED]
- EcoAtlas Project Tracker
- Resources Agency Project Tracking & Reporting system [RAPTR]
- Lake Tahoe Environmental Improvement Program Project Tracker
- Resource Conservation District Project Tracker
- *others...*

Considerations Moving Forward

Key Considerations:

- Utilize existing data acquisition and reporting outcomes
- Identify existing data gaps and fill those gaps where possible
- Address data privacy and security concerns
- Produce useful results and products
- Address reporting burdens

We Would Like Your Input

1. What tracking systems currently exist to collect land management data in support of achieving climate resilience and carbon neutrality?
2. What are the strengths and limitations of these systems?
3. Do you or the agencies you work with use remote sensing to track land management activities?
4. What else should the State be considering as we move forward?

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- Verbal Feedback → Raise your hand 
 - Logistical Issues → Use the Q&A feature 
 - Written Feedback → Check out our website:
 1. Search for "carb nature based strategies" → "Nature Based Strategies - California Air Resources Board"
 2. Click on "Workshops & Meetings" → "Listening Session on AB 1757..." → "Submit Feedback"
 - Deadline for Feedback: **March 21, 2025**