



CALIFORNIA
AIR RESOURCES BOARD

**Proposed 2023 Amendments to the
Area Designations
for State Air Quality Standards**

Public Workshop
October 4, 2023

Logistics

- Presentation available on-line after the workshop
 - [State Area Designation - Current Activities](#)
- Problems during presentation
 - Contact email [Theresa Najita](mailto:theresa.najita@arb.ca.gov) at theresa.najita@arb.ca.gov

Presentation Outline

- Designation Process & Criteria
- Proposed Designation Changes
- Next Steps
- Comments and Questions

CARB Designation Process

- Adopts State air quality standards to protect public health and welfare
- Adopts designation criteria and area designations
- Reviews designations annually
- Update designations where appropriate
- Designations indicate healthfulness of air quality

Data to Use

- “Data for Record”
 - Meet siting and quality assurance procedures
 - Collected by CARB, Districts, others
 - Reflect expected highest concentrations
- Time Period
 - Most recent 3 calendar years
 - Current review: 2020-2022

Exceedance vs. Violation

- Exceedance
 - Concentration higher than standard
 - Qualifying exceedances are excluded as Highly Irregular or Infrequent Events
- Violation
 - Exceedance not excluded as a Highly Irregular or Infrequent Event
- Not all exceedances are violations

Designation Categories

- Nonattainment
 - 1 or more violations in last 3 years
- Attainment
 - No violations in last 3 years
- Unclassified
 - Insufficient data

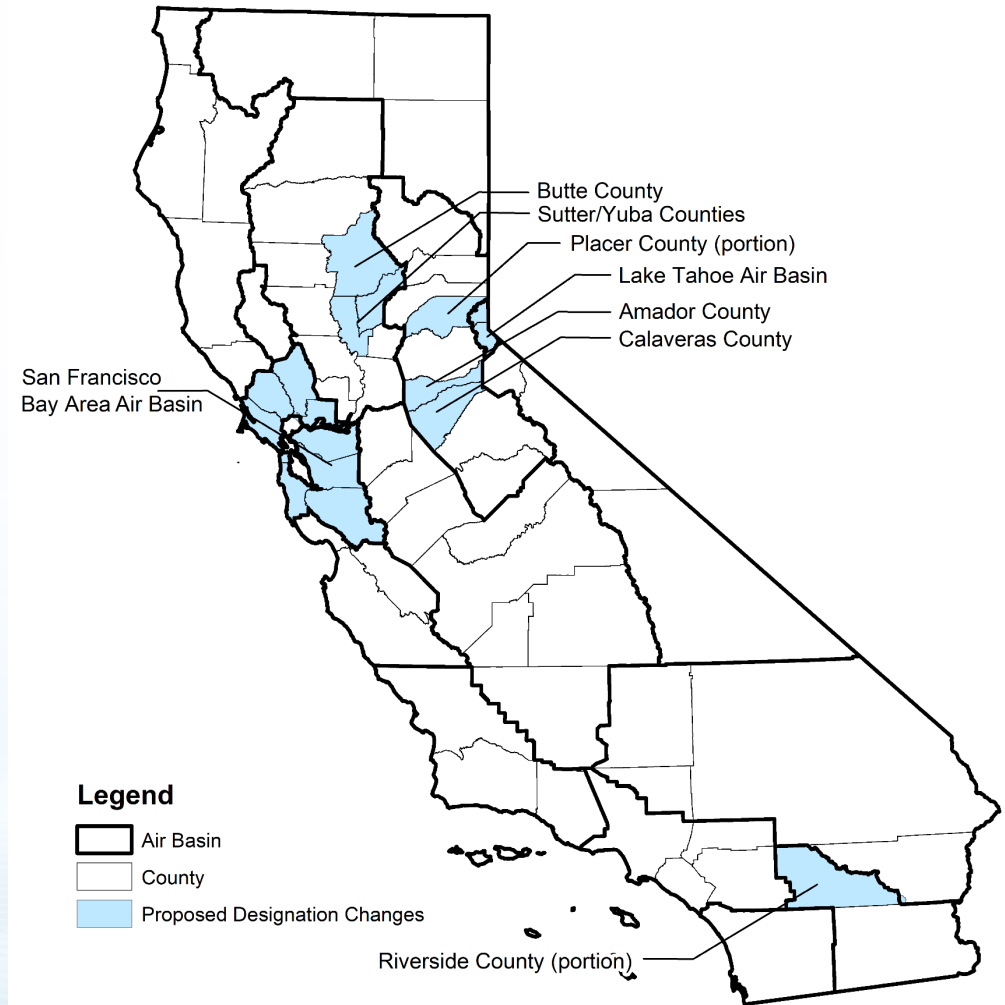
Designation Categories

Nonattainment-Transitional

- Nonattainment-Transitional
 - Subcategory of Nonattainment
 - Does not always require CARB action
- Nonattainment-Transitional For Ozone
 - 3 or fewer exceedances in last year
 - Designation area by District or entire portion of a District within an Air Basin (CCR, title 17, section 70303.5)
 - Highly irregular or infrequent events are not excluded

Proposed 2023 State Area Designation Changes

- Ozone – 7 areas
- Hydrogen Sulfide (H₂S) – 1 area
- Fine Particulate Matter (PM_{2.5}) – 1 area



Ozone Standard

- Two Standards
 - 8-hour = 0.070 ppm
 - 1-hour = 0.09 ppm
 - Both are not to be exceeded
- Areas must meet both standards for Attainment designation

Proposed Ozone Change Nonattainment-Transitional

- Lake Tahoe Air Basin
- Currently Nonattainment
- High site is Tahoe City
 - 8-hour designation value = 0.083 ppm
 - 1-hour designation value = 0.09 ppm

Proposed Ozone Change Nonattainment-Transitional

- Mountain Counties Air Basin
 - Amador County
- Currently Nonattainment
- High site is Jackson-Clinton Road
 - 8-hour designation value = 0.076 ppm
 - 1-hour designation value = 0.09 ppm

Proposed Ozone Change Nonattainment-Transitional

- Mountain Counties Air Basin
 - Calaveras County
- Currently Nonattainment
- High site is San Andreas
 - 8-hour designation value = 0.080 ppm
 - 1-hour designation value = 0.09 ppm

Proposed Ozone Change Nonattainment-Transitional

- Mountain Counties Air Basin
 - Placer County
- Currently Nonattainment
- High site is Colfax-City Hall
 - 8-hour designation value = 0.083 ppm
 - 1-hour designation value = 0.10 ppm

Proposed Ozone Change Nonattainment-Transitional

- Sacramento Valley Air Basin
Butte County
- Currently Nonattainment
- High site is Paradise - Airport Rd
 - 8-hour designation value = 0.079 ppm
 - 1-hour designation value = 0.09 ppm

Proposed Ozone Change Nonattainment-Transitional

- Sacramento Valley Air Basin
 - Sutter Buttes in Sutter County, the remainder of Sutter County, and Yuba County (Feather River Air Quality Management District)
- Currently Nonattainment
- High site is Sutter Buttes
 - 8-hour designation value = 0.091 ppm
 - 1-hour designation value = 0.11 ppm

Proposed Ozone Change Nonattainment-Transitional

- San Francisco Bay Area Air Basin
- Currently Nonattainment
- High site is San Martin-Murphy Ave.
 - 8-hour designation value = 0.080 ppm
 - 1-hour designation value = 0.10 ppm

Hydrogen Sulfide (H₂S) Standard

- One Standard
 - 1-hour = 0.03 ppm
 - Not to be equaled or exceeded

Proposed H₂S Change Nonattainment

- Salton Sea Air Basin
 - Riverside County portion
- Currently Unclassified
- High site is Mecca
 - 1-hour designation value = 0.04 ppm

Fine Particulate Matter (PM_{2.5}) Standard

- One Standard
 - Annual Average = 12 $\mu\text{g}/\text{m}^3$
 - Not to be exceeded

Proposed PM_{2.5} Change Attainment

- Sacramento Valley Air Basin
Butte County
- Currently Nonattainment
- High site is Chico-East Avenue
 - Annual Average = 11 µg/m³
 - Exceptional events occurred in 2020

What's Next?

- Post staff report (Initial Statement of Reasons)
 - November 28, 2023
- 45-day public comment period opens
 - December 1, 2023
- Board Hearing
 - January 25, 2024

Further Information

- Online information

 - [State Area Designations](#) webpage

 - Sign up to receive notifications regarding State Area Designations

- Contacts

 - [Theresa Najita](#) (PM) - 279-842-9813

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Questions