



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

**AGENDA: 5**

# **Revision of the PM<sub>2.5</sub> National Ambient Air Quality Standards**

**Stationary Source and Climate Impacts Committee Meeting  
March 8, 2023**

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# Presentation Outcome



To provide information and context about the recent proposal from U.S. Environmental Protection Agency (EPA), Air District staff will provide an overview of the PM NAAQS including designations, nonattainment plans and proposed comment letter.

# Presentation Outline



- National Ambient Air Quality Standards (NAAQS)
- Proposed Environmental Protection Agency (EPA) revisions
- Agency comments on EPA NAAQS rulemaking
- Feedback and questions

# Presentation for Information Only



No action required.

# National Ambient Air Quality Standards (NAAQS)



- U.S. Environmental Protection Agency (EPA) sets limits for concentrations of six pollutants in ambient (outdoor) air according to the Federal Clean Air Act
  - Carbon monoxide, ozone, lead, oxides of nitrogen, particulate matter (PM), and oxides of sulfur
  - Primary NAAQS: Health-based, to an adequate margin of safety
  - Secondary NAAQS: Welfare-based, e.g. visibility, damage to crops, vegetation, buildings, and animals
- EPA is required to review NAAQS every five years

# What Happens After EPA Revises a NAAQS?



NAAQS  
Revision

Initial  
Designations

SIP\*  
Development

SIP  
Implementation

This process includes a lot of work and decisions we haven't had to make in the Bay Area in a long time

We'll be planning conversations over the next year to outline, update, and bring decisions to the Board

**GOAL  
&  
OBJECTIVE**



**ATTAINMENT & MAINTENANCE OF THE NAAQS**

\*State Implementation Plan (SIP)

# Current and Proposed Revised PM NAAQS (Primary)

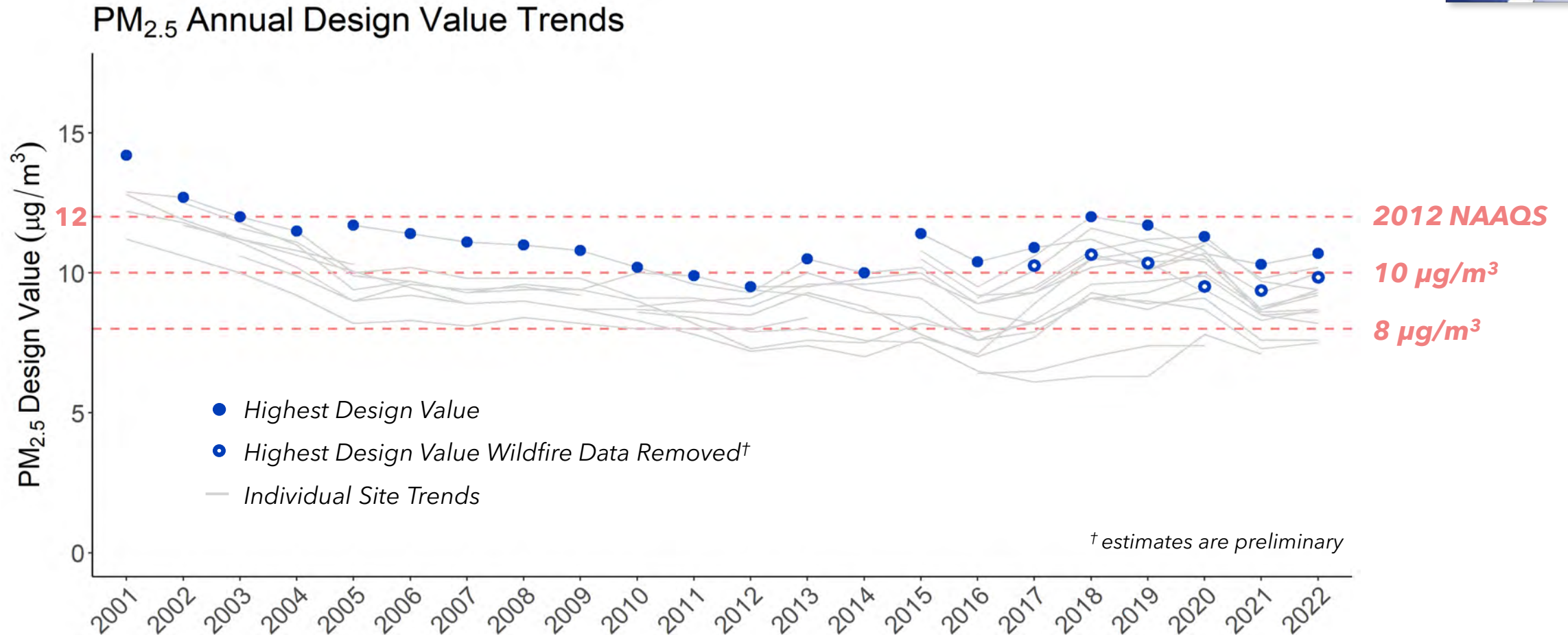


Indicator	Averaging Time	Existing Level	EPA Proposal	Soliciting Comments	Existing Bay Area Status
PM <sub>2.5</sub>	Annual	12.0 µg/m <sup>3</sup>	Between 9.0 – 10.0 µg/m <sup>3</sup>	Between 8.0 – 11 µg/m <sup>3</sup>	Unclassifiable / Attainment
PM <sub>2.5</sub>	24-Hours	35 µg/m <sup>3</sup>	No change / Retain	As low as 25 µg/m <sup>3</sup>	<b>Nonattainment</b>
PM <sub>10</sub>	24-Hours	150 µg/m <sup>3</sup>	No change / Retain	NA	Unclassifiable/ Attainment

**Additional changes** to the monitoring requirements and to the AQI breakpoints

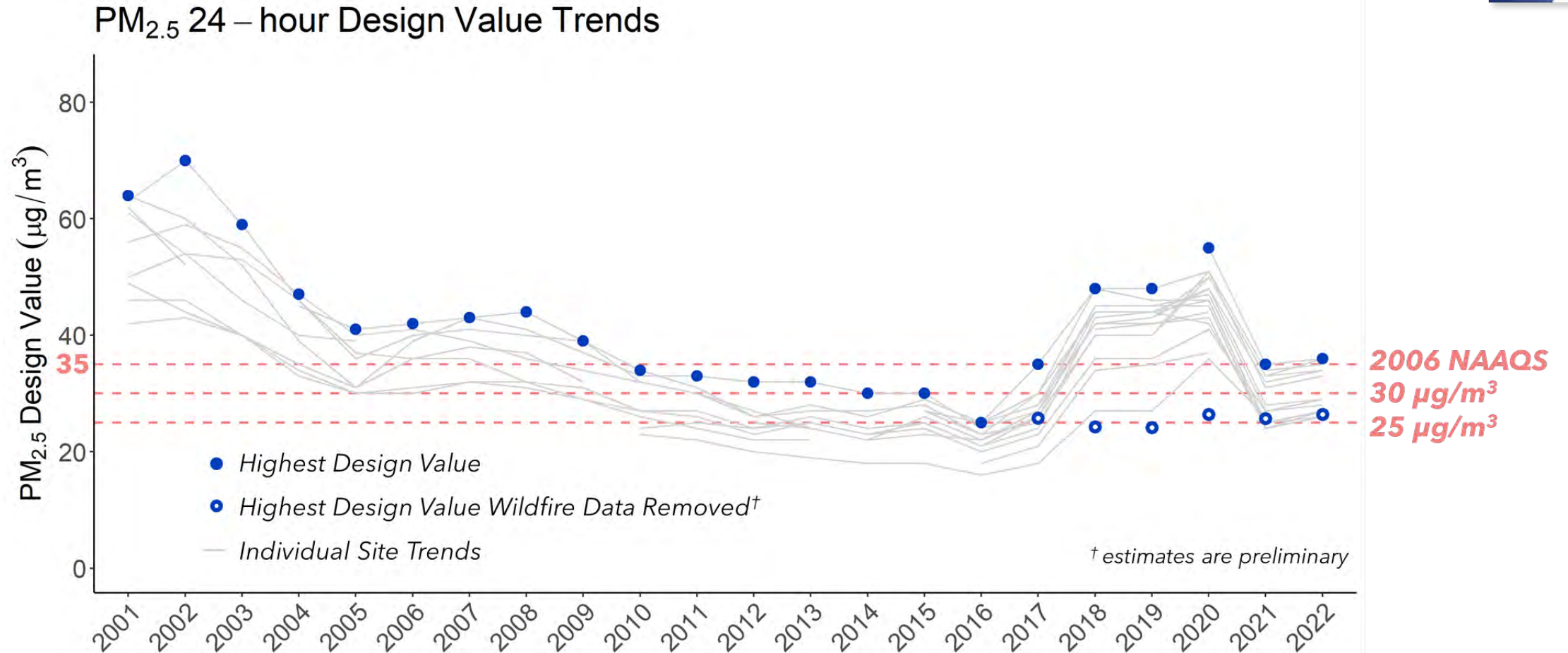
Written comments due by March 28, 2023

# PM<sub>2.5</sub> Annual Design Value Trends





# PM<sub>2.5</sub> 24-Hour Design Value Trends



# Commenting on PM NAAQS Proposal - CARB



## California Air Resources Board's (CARB) recommendation

- Protect public health supported by up-to-date defensible science
- Encourage further strengthening of proposal
- Scientific studies demonstrate health impacts down to  $8.0 \mu\text{g}/\text{m}^3$  for annual standard
- Consider as low as  $25 \mu\text{g}/\text{m}^3$  for the 24-hour standard

Indicator	Averaging Time	Level (as low as)
PM <sub>2.5</sub>	Annual	$8.0 \mu\text{g}/\text{m}^3$
PM <sub>2.5</sub>	24-Hours	$25 \mu\text{g}/\text{m}^3$

# Commenting on the PM NAAQS Proposal Options – Air District



COMMENTS DUE MARCH 28

<b>1</b>	California Air Resources Board's (CARB): <ul style="list-style-type: none"><li>• Science demonstrates health impacts down to <b>8.0 <math>\mu\text{g}/\text{m}^3</math></b> (annual) and as low as <b>25 <math>\mu\text{g}/\text{m}^3</math></b> (24-Hour)</li></ul>
<b>2</b>	California Air Pollution Control Officers' Association (CAPCOA) <ul style="list-style-type: none"><li>• Standard set at the most protective level consistent with science</li></ul>

# Questions and Comments



- Feedback on Air District's comment letter in response to EPA's proposed revisions to the PM<sub>2.5</sub> NAAQS



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**AGENDA: 6**

# **Proposed 2023 Stationary Source and Climate Impacts Committee Work Plan**

**Stationary Source and Climate Impacts Committee Meeting  
March 8, 2023**

**Greg Nudd**  
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# Presentation Outcome



- The Committee will review and discuss the proposed schedule and work plan for meetings in 2023.

# Presentation for Information Only



- This is an informational item for discussion.

# 2023 SSCI Work Plan



- **April - May**

- Air District Statutory Authorities
- Fugitive Dust White Paper Recommendations
- Bay Area Healthy Homes Initiative
- Submitting Rules into the State Implementation Plan

- **June - July**

- Rules mid-year review
- Update on Incident Response Monitoring
- Refinery Community and Fenceline Monitoring
- Sources Causing Particulate Matter Exposure (InMAP Results)



# 2023 SSCI Work Plan (cont.)



- **September - October**

- Rule 8-8: Refinery Wastewater
- Rule 8-18: Refinery Heavy Liquid Leaks
- Metal Recycling and Shredding Operations

- **November - December**

- Priority Control Measures in the Richmond-North Richmond-San Pablo CERP
- Health Impacts of Wood Smoke and Possible Policy Response

# Questions?

