

# **Proposed PM National Ambient Air Quality Standards (NAAQS) Revision**

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February 21, 2023**

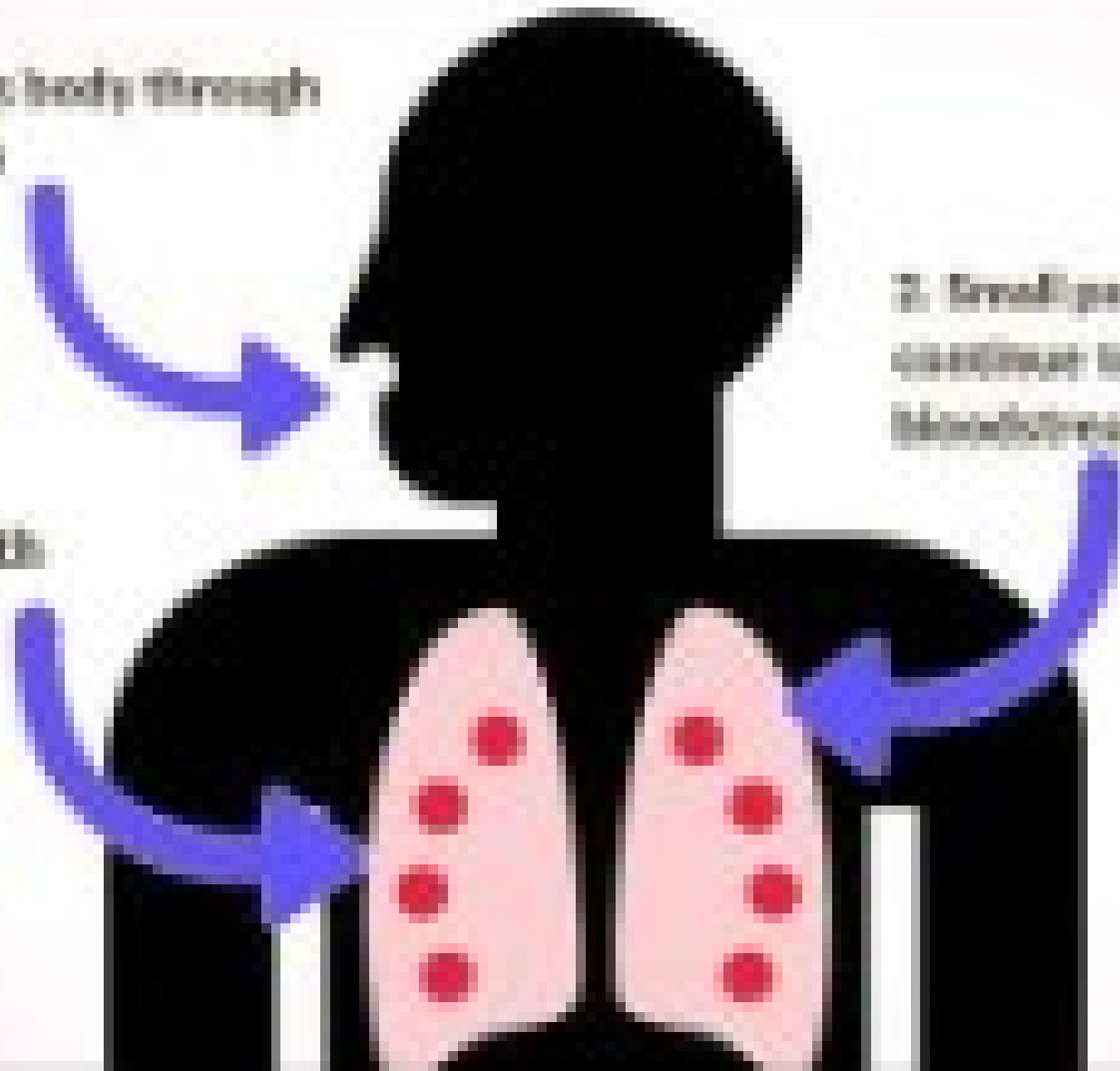
# Overview

- Introductions
- PM Overview
- Proposed PM NAAQS Rule
- Questions

1. PM enters body through nose/mouth

2. Small particles like PM2.5 penetrate to lungs or bloodstream

3. Serious health risks for lungs and heart

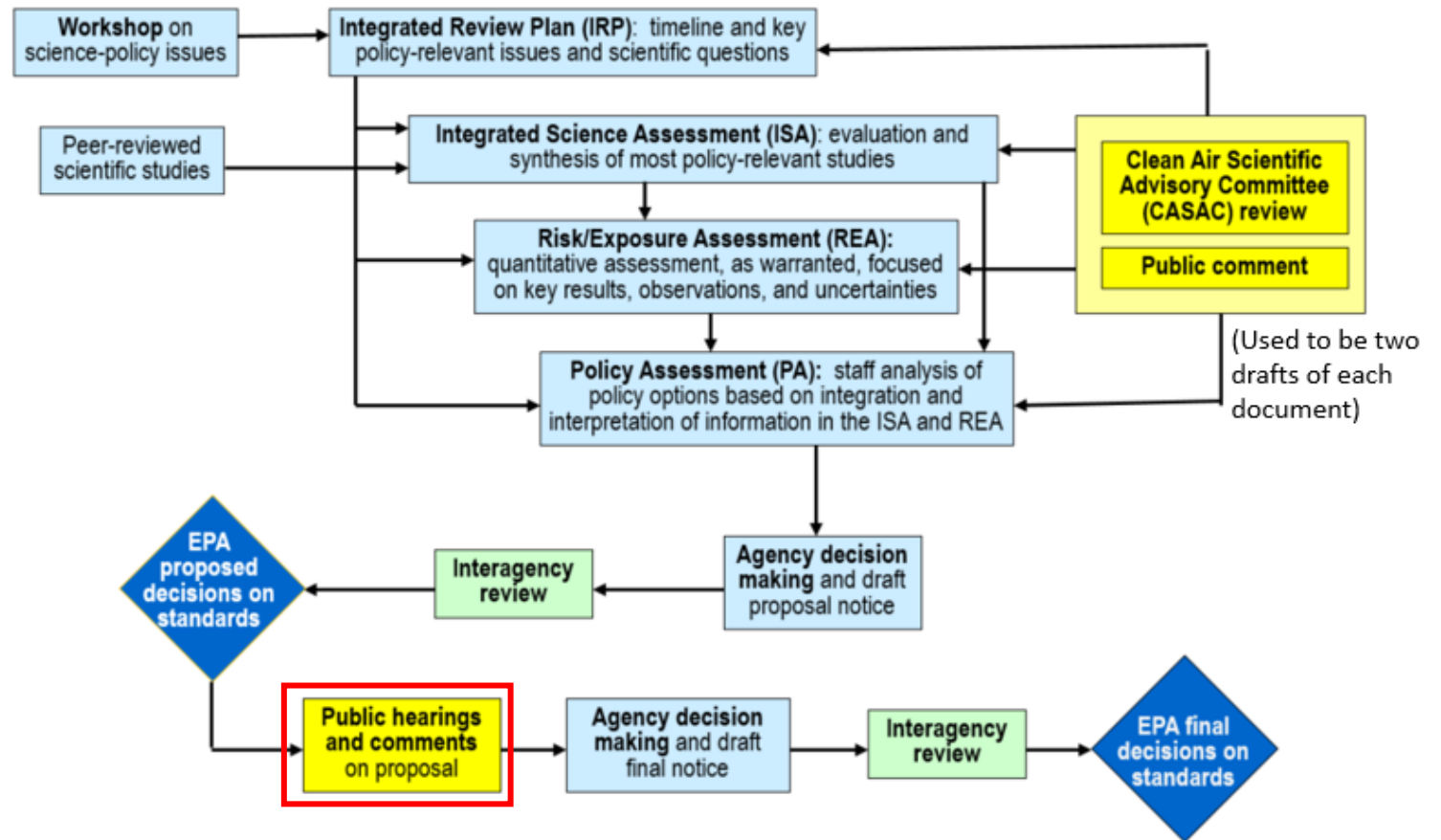


<https://www.youtube.com/watch?v=6Q4NADAm9M>

# 2023 PM NAAQS Proposed Rule

- EPA published the proposed PM NAAQS update on January 27, 2023
- EPA comment period (60 day) closes March 28, 2023

## NAAQS Review Process\*



# PM NAAQS Proposed Standards

NAAQS	Current standard	New proposed range	Taking Comment
PM <sub>2.5</sub> annual standard	12 µg/m <sup>3</sup> (set in 2012)	9-10 µg/m <sup>3</sup>	8-11 µg/m <sup>3</sup>
PM <sub>2.5</sub> 24-hour standard	35 µg/m <sup>3</sup> (set in 2006)	No change	25-35 µg/m <sup>3</sup>
PM <sub>10</sub> 24-hour standard	150 µg/m <sup>3</sup> (set in 1987)	No change	No additional range identified

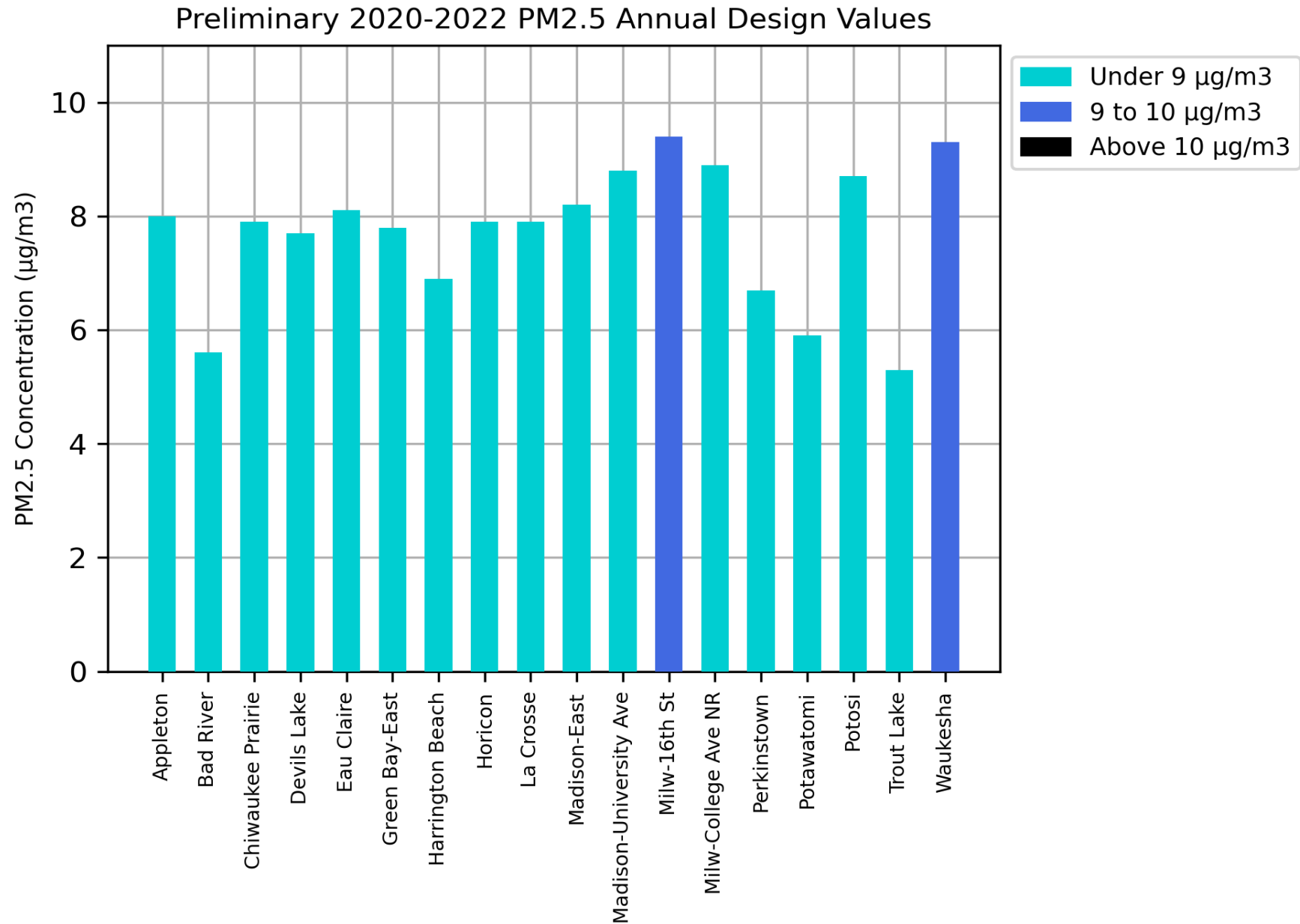
# PM Monitoring Updates

- EPA's proposed changes to the PM<sub>2.5</sub> monitoring network:
  - Establishes network design criteria for some large metropolitan areas to ensure monitoring in 'at risk' communities.
  - Updates the Air Quality Index (AQI) to reflect proposed changes to the PM<sub>2.5</sub> standards and latest science.
  - Expands the use of non-regulatory next generation technologies to identify air quality needs such as PM hot spots, boundaries for NAA or siting regulatory monitors.

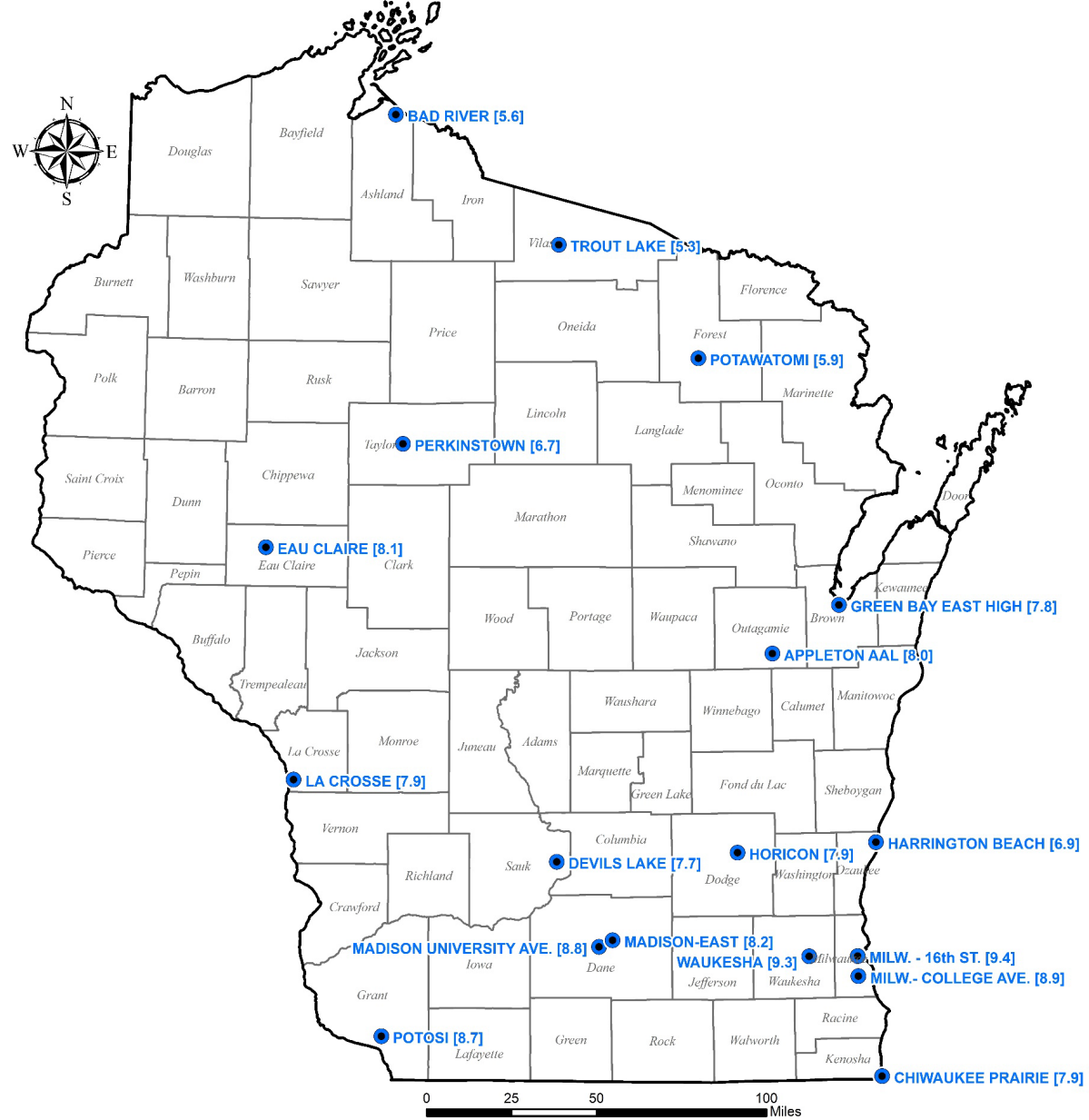
# PM<sub>2.5</sub> Annual Design Value Data

## Considerations

- Graph represents most recent preliminary design values data available
- 2022 data is not yet certified
- Designations for this NAAQS will utilize data from future years beyond 2022



# PM<sub>2.5</sub> Monitoring Network



\* Data for 2022 is preliminary.

\*\*Annual Design Values in µg/m<sup>3</sup>



# PM NAAQS Implementation

- The proposed NAAQS revision does not contain PSD permit grandfathering provisions.
- EPA intends to release a designations-specific memorandum around the time it promulgates a final NAAQS.
  - 2016 SIP requirements rule expected to be the basis of this guidance.

# Next Steps

- EPA holding a [virtual public hearing](#) 2/21 through 2/23
- Comment period for proposed rule closes 3/28/2023
  - Docket for comment [EPA-HQ-OAR-2015-0072-1543](#)
- Presentation available on [AMAG website](#)
- Questions

# CONNECT WITH US

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OFF THE RECORD"