

## Soil Nitrogenous Emissions "Subject Matter Expert Review Panel" Contract Update

California Air Resources Board sent this bulletin at 01/27/2025 10:14 AM PST

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January 27, 2025

### Status Update Meeting

#### Soil Nitrogenous Emissions "Subject Matter Expert Review Panel" Contract Progress Update

The California Air Resources Board (CARB) invites you to participate in a second public meeting on February 13, 2025 to discuss progress on the *Soil Nitrogenous Emissions "Subject Matter Expert Review Panel (SMERP)" Contract (23RD017)*. In August 2023, CARB released the [nomination/application form](#) to seek five technical experts to serve in the SMERP that will independently evaluate existing data and science to improve our current understanding of nitrogenous emissions, including oxides of nitrogen, nitrous oxide, and ammonia from soils, particularly in California. CARB's Research Division led the panelist selection and contract management process. They evaluated all received nominations and applications under this solicitation, and selected panelists for the SMERP based on an evaluation of their technical merits (e.g., peer-reviewed publications and government reports, service in advisory, editorial, and review boards) under each Topic of Expertise specified in the [nomination/application form](#).

As part of the SMERP, Dr. William Horwath (University of California [UC] Davis), Dr. Whendee Silver (UC Berkeley), Dr. Xia Zhu-Barker (University of Wisconsin - Madison), Dr. Martin Burger (California Department of Food and Agriculture [retired]; UC Davis), and Dr. Viney Aneja (North Carolina State University) have been conducting a comprehensive review of scientific literature, pertinent databases, and emission estimation methodologies that pertain to nitrogenous emissions from soils. The contract will provide CARB with guidance and information on the best scientific evidence for nitrogenous emissions from soils, and will inform the subsequent steps needed to refine the underlying data and methods currently used in our regional air quality modeling to support the State Implementation Plans.

Please join the meeting to hear SMERP members discuss progress and plans through the end of the contract in May 2025. We welcome your engagement.

Date: February 13, 2025  
Time: 11:00 a.m. – 12:00 p.m. PDT  
Location: [Zoom Meeting \(Remote Only\)](#)

Please register in advance for the meeting. After registering, you will receive an email with information about joining the meeting.

Participants will be able to ask questions during the Zoom meeting and can also send written questions or comments to CARB staff and the SMERP panelists during the meeting through Zoom. If you have questions about the meeting purpose, scope and logistics, please contact [Kevin Eslinger](#).

[SMERP Meetings](#)

[Register](#)

#### Clearing California Skies for Over 50 Years

CARB is the lead agency for California's fight against climate change, and oversees all air pollution control efforts in the state to attain and maintain health-based air quality standards.

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